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The Status of Land Disturbed by Surface Mining in the United States

Basic Statistics by State and County as of July 1, 1977

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The Status of Land Disturbed by Surface Mining in the United States

Basic Statistics by State and County as of July 1, 1977

This publication presents an updated inventory by the Soil Conservation Service of land disturbed by surface mining in the United States as of July 1, 1977. This is the fourth national inventory. The first was made in 1964 (USDI, 1967) and updated in 1971 (USDA, 1973) and 1974 (Congressional Record, April 8, 1974). This newest survey was completed for each county in the United States (regions were used for Alaska and municipalities for the Caribbean area under United States jurisdiction).

The inventory lists the amount of land needing reclamation, land not requiring reclamation, and total land disturbed. The land needing reclamation includes both reclamation required by law and reclamation not required by any law. Each of these two types of land needing reclamation were subdivided to show the kinds of commodities removed (coal, sand and gravel, and all other mined materials).

SCS estimated the acreage disturbed by surface mining in each county, region, or municipality without resorting to detailed field surveys. Counties, regions, or municipalities with no surface mining sent in negative reports. The following guidelines were used to complete the local worksheets.

Land disturbed by surface mining includes all mining of subsurface resources by (1) removing the overburden lying above the natural deposit; (2) mining directly from the natural deposits exposed; and (3) underground mining that has significant effects on the surface.

Disturbed areas are:

(1) land from which materials have been displaced by surface mining;

(2) land on which any displaced materials have been deposited;

(3) the haul roads and impoundment basins within the surface mining area; and

(4) all other land whose natural state has been disturbed by surface mining.

SCS relied on field office staffs, district supervisors, and appropriate county and state officials to locate the disturbed areas. To complete the surveys, SCS also used supporting documents such as conservation district programs, Resource Conservation and Development project plans, and county comprehensive land use plans.

SCS reviewed and coordinated the information collected with the agencies that administer state reclamation programs for mined areas. The SCS office in each state then summarized and tabulated the data.

Status

Surface mining occurs in all states. It affects a wide range of soils, vegetation, ecosystems, and climatic zones. The acreage disturbed, however, is a small percentage of the Nation's total land area. Paone et al. (1974) reported that land utilized by mining from 1930 to 1971 amounted to 0.16 percent of the land mass of the United States. However, mining is geographically concentrated and this results in intense hydrologic and esthetic changes in specific environments. These changes, in turn, often affect an area larger than the area that has been physically disturbed.

As of July 1, 1977, the mineral industry had disturbed 5.7 million acres in the United States. Table 1 shows the status of that disturbed land in each state. Exactly how much additional land is disturbed annually is not known, but it can be estimated. Based on data reported by producers, the U.S. Department of the Interior (USDI) estimated that 153,000 acres of land were disturbed in 1964 by strip and surface mining (USDI, 1967). Sand and gravel accounted for 60,000 acres; coal, 46,000; stone, 21,000; clay, 9,000; phosphate rock, 9,000; and the remaining minerals accounted for 8,000 acres.

Table 1.--Status of land disturbed by surface mining in the United States as of July 1, 1977, by states 1/

[Acres; dashes indicate none]

State	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Alabama	72,292	16,611	19,929	34,807	5,498	6,252	85,673	241,062
*Alaska	2,700	4,300	4,000	---	---	---	4,000	15,000
*Arizona	400	6,400	60,900	---	---	---	121,800	189,500
Arkansas	5,623	21,483	11,479	2,859	20	1,592	9,449	52,505
California	10	7,970	80,998	500	17,642	51,316	59,061	217,497
*Caribbean Area	---	2,550	1,000	---	---	---	710	4,260
Colorado	7,089	8,334	15,861	1,195	11,672	6,513	14,023	64,687
*Connecticut	---	16,740	787	---	---	---	4,590	22,117
*Delaware	---	2,912	63	---	---	---	1,498	4,473
Florida	---	11,162	235,700	---	3,365	20,922	61,266	332,415
Georgia	1,680	3,353	24,008	764	4,623	13,772	23,247	71,447
Hawaii	---	15	115	---	---	---	---	130
Idaho	---	5,100	1,500	---	18,200	3,500	2,500	30,800
Illinois	118,711	20,330	14,192	40,899	8,582	4,557	88,860	296,131
Indiana	25,882	11,875	6,522	74,581	4,176	1,894	64,711	189,641
Iowa	13,997	10,147	6,421	341	8,457	9,638	10,519	59,520
Kansas	41,256	11,150	10,159	815	3,634	3,978	20,117	91,109
Kentucky	101,637	980	4,712	154,218	2,299	2,780	154,495	421,121
*Louisiana	---	37,324	2,549	---	---	---	10,467	50,340
Maine	---	28,833	2,075	---	2,293	923	6,794	40,918
Maryland	6,412	7,430	1,181	5,703	9,741	1,734	19,824	52,025
*Massachusetts	---	32,041	10,330	---	---	---	11,750	54,121
Michigan	142	39,424	23,422	---	15,662	4,072	27,600	110,322
Minnesota	---	30,047	44,801	---	12,444	7,891	66,919	162,102
*Mississippi	---	45,966	7,821	---	---	---	14,415	68,202
Missouri	70,688	4,473	28,187	8,772	1,046	6,055	22,051	141,272
Montana	1,955	4,655	18,340	4,766	4,492	6,598	12,528	53,334
*Nebraska	---	17,969	4,029	---	---	---	11,005	33,003
*Nevada	---	1,221	2,555	---	---	---	1,953	5,729
*New Hampshire	---	12,725	417	---	---	---	547	13,689
*New Jersey	---	24,610	5,570	---	---	---	8,263	38,443
New Mexico	22	11,860	1,806	3,709	1,057	26,072	2,207	46,733
New York	---	30,917	19,251	---	15,979	5,037	18,477	89,661
North Carolina	---	11,908	4,792	---	7,096	3,909	7,000	34,705
North Dakota	1,050	2,010	200	6,725	---	---	38,595	48,580
Ohio	196,709	22,621	18,923	77,050	16,659	8,427	190,578	530,967

Table 1.--Status of land disturbed by surface mining in the United States as of July 1, 1977, by states (continued) 1/

[Acres; dashes indicate none]

State	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Oklahoma----------	36,118	6,659	14,105	6,298	2,766	4,110	16,255	86,311
Oregon----------	---	3,521	17,568	3	6,814	1,538	7,387	36,831
Pennsylvania---------	240,000	11,000	20,500	60,000	15,000	25,000	250,000	621,500
*Rhode Island---------	---	2,592	---	---	---	---	3,470	6,062
South Carolina-------	---	9,065	2,128	---	4,395	3,194	9,815	28,597
South Dakota---------	890	10,153	5,259	---	6,826	695	7,149	30,972
Tennessee----------	29,583	4,950	2,305	3,127	810	1,135	104,596	146,506
Texas----------	3,310	152,457	37,104	3,725	6,289	4,989	48,456	256,330
Utah----------	635	3,999	4,414	133	4,637	10,216	7,521	31,555
Vermont----------	---	3,877	2,078	---	377	60	1,536	7,928
Virginia----------	23,724	3,788	1,251	8,222	3,929	2,003	70,060	112,977
Washington----------	48	9,701	8,174	1,190	11,822	1,073	10,245	42,253
West Virginia--------	84,868	4,554	995	7,658	---	---	137,105	235,180
Wisconsin----------	---	41,607	7,555	---	11,884	2,865	21,605	85,516
Wyoming----------	9,657	3,673	12,376	62,028	7,665	12,787	5,511	113,697
Total	1,097,088	799,042	830,407	570,088	257,851	267,097	1,898,203	5,719,776

1/Based on information from Soil Conservation Service state offices
*No state law when survey completed; therefore, no reclamation required by law

Paone et al. (1974) reported that between 1930 and 1971 the percentages of the land surface mined for various commodities were as shown in table 2.

Table 2.--Percentage of land surface mined by commodity, 1930-1971

Commodity	Percentage of land surface mined
Phosphate rock	2
Iron ore	3
Clay	5
Copper	5
Stone	14
Sand and gravel	18
Bituminous coal	40
All other commodities	13
Total	100

Paone and Meyer (1978) reported on the extent of our nonrenewable commodities and the extent to which they were surface mined in 1975. In 1975, surface mining accounted for 96 percent of domestic production of nonmetallic ores, 88 percent of metallic ores, and 55 percent of coal. Table 3 breaks down surface mining in 1975 by commodities.

Table 3.--Commodities surface mined in 1975

Crude ore commodity	Million short tons	Percentage recovered by surface mining
Clay	43	98
Coal, bituminous	356	55
Copper	240	89
Iron ore	230	96
Phosphate rock	186	100
Sand and gravel	789	100
Stone	867	96
All other commodities	95	50
Total	2,806	86

"Strippable Reserves of Bituminous Coal and Lignite in the United States" (USDI, 1971) provides information on the location of strippable coal reserves in the conterminous United States by region. Figure 1 shows the location of these reserves.

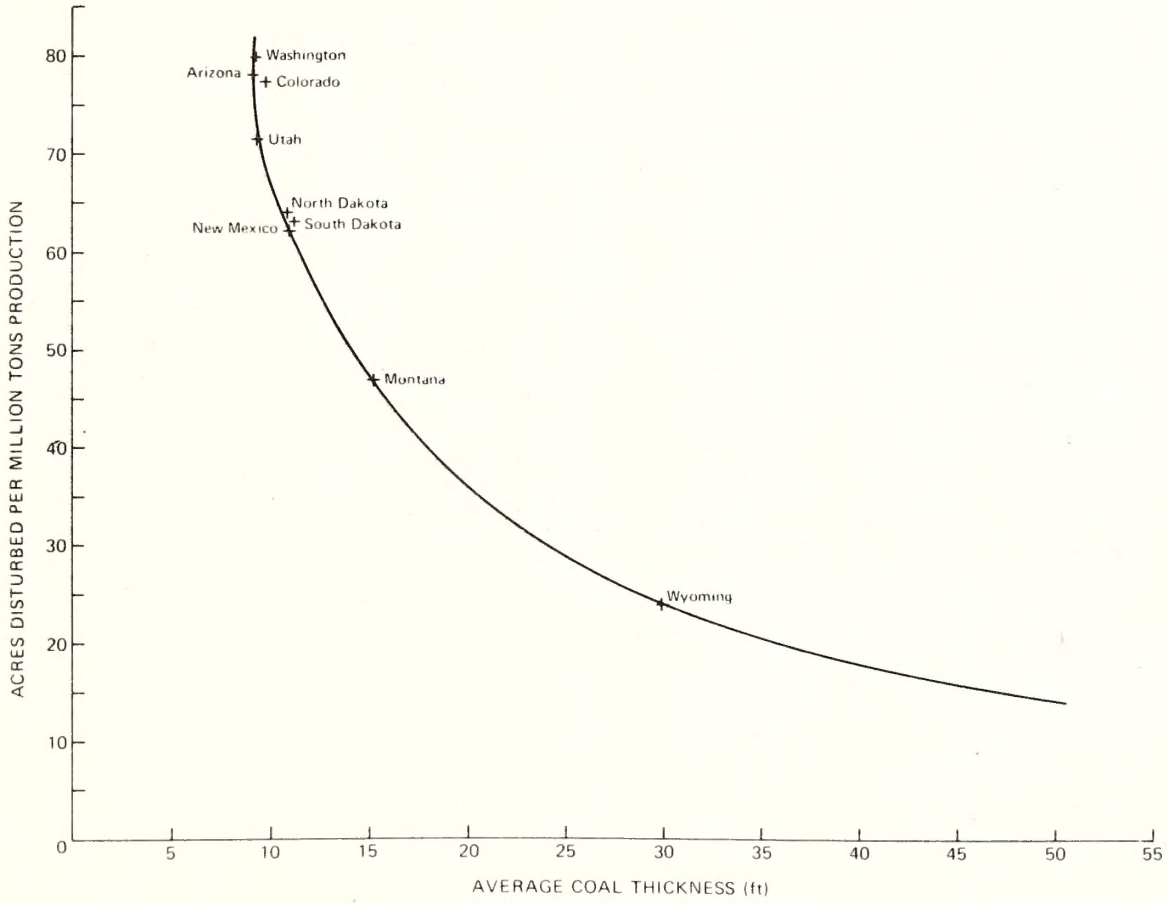

Figure 1.--Relationship of coal seam thickness to acres disturbed, per million tons production. (Assumed: 1,750 tons per acre-foot, 80% recovery.) (National Academy of Sciences, 1974)

Condition

There are 5.7 million acres of land disturbed by mining. There is no legal requirement to reclaim 2.7 million acres of unreclaimed mined land. (Eleven states and the Caribbean area did not have reclamation laws in effect when SCS conducted its 1977 survey of surface-mined land.) Reclamation is required by law on approximately 1.1 million acres that have not yet been reclaimed. According to this 1977 SCS survey, approximately 1.9 million acres of land disturbed by mining have been reclaimed by natural seeding or through the efforts of landowners.

The 2.7 million acres that do not have to be reclaimed by law are made up of about 1.1 million acres affected by coal mines, 800,000 affected by sand and gravel mining, and more than 800,000 mined for other commodities. Of the 1.1 million acres that must be reclaimed by law, more than 570,000 acres were affected by coal mining, more than 257,000 by sand and gravel mining, and more than 267,000 by mining for other commodities.

Location.--Abandoned coal-mined lands are concentrated primarily in the eastern and interior coal provinces. Pennsylvania has 240,000 acres of abandoned coal-mined land that need reclamation and are not covered by any law. This is the largest state acreage. Other states having high acreages of unreclaimed coal-mined lands that are not covered by reclamation laws are:

> Ohio--196,700 acres; Illinois--118,700 acres; Kentucky--101,600 acres; West Virginia--84,900 acres; Alabama--72,300 acres; Missouri--70,700 acres; Kansas--41,300 acres; Oklahoma--36,100 acres; Tennessee--29,600 acres; Indiana--25,900 acres; Virginia--23,700 acres; Iowa--14,000 acres. These 12 states contain more than 96 percent of the abandoned coal-mined land in the United States.

Most of the other abandoned sites are the result of sand and gravel, stone, phosphate, iron, clay, and gold mining. The Minerals Yearbook (USDI, 1974) and the Bureau of Mines Commodity and Data Summaries (USDI, 1977a) report recent production of these commodities as follows:

> Crushed stone was produced in every state except Delaware. Principal producing states are Pennsylvania, Illinois, Texas, Florida, and Ohio.
>
> Dimension stone was produced in 44 states. Georgia, Indiana, Ohio, Pennsylvania, and Vermont accounted for about half the total.
>
> Phosphate is concentrated in Florida (78 percent of the country's production).
>
> Iron ore was mined mostly in Minnesota and Michigan, which accounted for 64 percent and 20 percent, respectively, of the 1976 production.

Clay in one or more of the categories (kaolin, ball clay, fire clay, bentonite, fuller's earth or common clay, and shale) was produced in 47 states. However, specific categories of clay are concentrated in certain states. The major producing states are:

Kaolin--Georgia, 75 percent, and South Carolina, 12 percent.
Ball clay--Tennessee, 61 percent.
Fire clay--Ohio, Pennsylvania, Missouri, and Alabama, 97 percent.
Bentonite--Generally, high-swelling or sodium bentonites are produced in Wyoming, Montana, and South Dakota. The calcium or low-swelling bentonites are produced in other states.
Fuller's earth--Georgia, 40 percent, and Florida, 34 percent.

Gold accounted for 6 percent of the land disturbed by surface mining as of January 1, 1965. Domestic gold production has declined in recent years. In 1976, approximately 36 percent was produced as a byproduct of base-metal mining operations, chiefly copper. In 1976, South Dakota, Nevada, Utah, Arizona, Colorado, Washington, and Montana accounted for 96 percent of the total production.

Bauxite is produced primarily in Arkansas, 86 percent. The rest is produced in Alabama and Georgia.

Adjacent Areas.--The total acreage affected by surface mining varies with the topography, mining and processing methods, climate, and the geology of the area. Contour mining in hilly topography disturbed 696,000 acres (24 percent) of the privately owned surface-mined lands in 1965. In eastern Kentucky, haul roads accounted for about 10 percent of the land disturbed. Generally, there is also damage to hillsides below mining operations. This occurs more in contour mining than in area mining or open-pit mining.

Calculating the Acreage Disturbed.--A National Academy of Sciences Study (1974) showed the relation between coal seam thickness and the number of acres disturbed per million tons mined. Figure 2 shows this relationship and indicates the average thickness of coal reserves in the western states.

The "Report of the Interagency Task Force on the Issue of a Moratorium or a Ban on Mining in Prime Agricultural Lands," (1977, unpublished) provides information on the acres disturbed by surface mining in 1977. This report was prepared by the Office of Management and Budget; Soil Conservation Service; Bureau of Mines; Federal Energy Administration; and the Environmental Protection Agency. They estimated that 47,716 acres would be mined for coal in 1977. Table 4 gives estimates of the total acreage disturbed in primary producing states. The total acreage affected, however, would be twice the amounts indicated, about 95,000 acres, because of haul roads, damage to hillsides in contour mining, acid mine drainage, and other off-site effects.

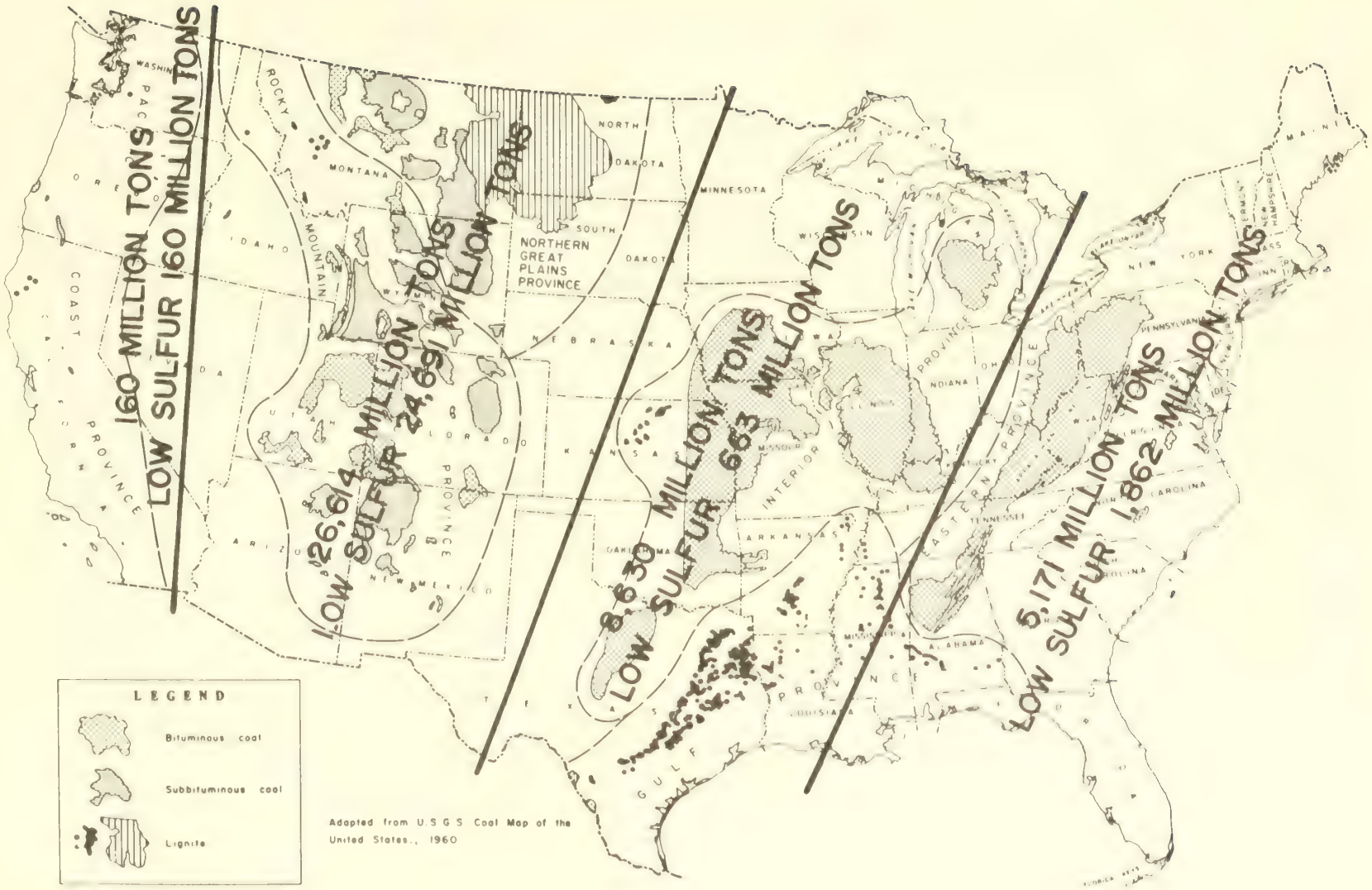

Figure 2.--Strippable coal reserves of the conterminous United States, by region.

Table 4.--Estimated acreage disturbed by surface coal mine production (1977)

State	Average seam thickness (ft)	1977 strip mine coal production (thousand tons) 1/	Total acreage mined
Alabama	2.1	14,450	3,822
Alaska	10.0	790	43
Arizona	10.0	10,550	586
Arkansas	2.3	670	587
Colorado	12.0	6,450	297
Illinois	3.4	30,050	4,910
Indiana	4.0	26,750	3,715
Iowa	3.0	290	53
Kansas	1.8	980	302
Kentucky	3.5	78,890	12,522
Maryland	3.0	2,680	496
Missouri	2.0	5,390	1,497
Montana	24.0	32,970	763
New Mexico	11.0	11,270	569
North Dakota	16.0	14,130	490
Ohio	4.0	28,040	3,894
Oklahoma	2.0	2,770	769
Pennsylvania	3.6	34,950	5,393
Tennessee	3.2	5,170	897
Texas	7.0	15,610	1,238
Virginia	3.5	11,800	1,873
Washington	22.0	3,700	93
West Virginia	4.3	19,850	2,564
Wyoming	67.0	41,400	343
Total		399,600	47,716 2/

1/ Bituminous and lignite.

2/ To obtain the total acreage affected by surface mining, multiply this figure by two to account for secondary impacts such as haul roads and other facilities.

Trend

Table 5 shows nationwide changes in the status of surface-mined land between 1965 and 1977. The average rate of land disturbance was 202,000 acres per year. The total number of acres reclaimed by 1977 is about the same as it was in 1974. Additional acres were reclaimed between 1974 and 1977, but our guidelines on what is adequately reclaimed are more stringent now than they were in 1974.

Table 5.--Status of land disturbed by surface mining in the United States from January 1, 1965, to July 1, 1977 (Thousands of acres)

Status of mined land	1965 1/	1972 2/	1974 3/	1977 4/
Land requiring reclamation------	2,040.6	2,181.2	2,542.7	3,821.6
Land not requiring reclamation--	1.147.2	1.823.7	1,876.0	1,898.2
Total land disturbed----------	3,187.8	4,004.9	4,418.7	5,719.8

1/ Surface Mining and Our Environment--a special report, (USDI 1967) appendix 1, table 2.

2/ Restoring Surface-Mined Land (USDA, 1973) table 2, p. 3.

3/ SCS 1974 survey reported in the Congressional Record, April 8, 1974, table 1, p. E 2815.

4/ 1977 SCS survey.

Paone et al. (1974) reported on land use and reclamation by the mining industry. They obtained data from operating companies, mining organizations, appropriate state agencies, and others concerned with such activities. From 1930 through 1971, the mining industry disturbed 3.65 million acres, or 0.16 percent of the land mass of the United States. A survey made by SCS in 1971 showed 4 million acres disturbed. This SCS survey also included land mined before 1930, which may account for its higher estimate. According to Paone et al. (1974), the 10 leading states in land used for mining in 1971 were, in order: Kentucky, Pennsylvania, Arizona, Ohio, California, Florida, West Virginia, Illinois, Minnesota, and Indiana. Paone also reported on reclamation over the period 1930 through 1971. The fossil fuels industry reclaimed more than 1 million acres, or 69 percent of the total land reclaimed. Land mined for nonmetals accounted for 28 percent of the reclaimed land and metals 3 percent. The largest single item of reclamation, about one-half the total area reclaimed, was land mined for bituminous coal. As used by Paone, "reclaimed" indicates that reconditioning or restoration work has been completed on mined areas and waste disposal areas in compliance with federal, state, and local laws. If reclamation was not required by law, Paone asked operators to report the affected areas that they felt were reconditioned or restored to a useful condition.

Tables 6 through 56 provide information on the status of surface mining in each of the 50 states and in the Caribbean area.

Table 6. -- Status of land disturbed by surface mining in Alabama as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Autauga	---	295	---	---	105	---	120	520
Baldwin	---	100	---	---	25	---	100	225
Barbour	---	500	2,500	---	110	1,150	2,000	6,260
Bibb	300	---	400	400	---	200	12,498	13,798
Blount	3,300	385	200	3,000	---	---	6,585	13,470
Bullock	---	200	---	---	---	---	60	260
Butler	---	1,600	2,400	---	---	---	3,200	7,200
Calhoun	---	315	342	---	35	38	1,080	1,810
Chambers	---	1,000	835	---	25	150	3,465	5,475
Cherokee	---	300	450	380	15	---	14,635	15,780
Chilton	---	500	---	---	369	---	300	1,169
Choctaw	---	14	---	---	10	---	6	30
Clarke	---	481	40	---	276	---	37	834
Clay	---	10	---	---	---	---	84	94
Cleburne	---	50	---	---	20	55	1,040	1,165
Coffee	---	10	---	---	10	---	---	20
Colbert	---	220	80	---	---	---	400	700
Conecuh	---	210	---	---	160	---	70	440
Coosa	---	---	---	---	---	---	985	985
Covington	---	5	17	---	1	7	3	33
Crenshaw	---	15	710	---	5	55	950	1,735
Cullman	1,200	---	---	2,500	---	---	400	4,100
Dale	---	32	13	---	---	---	---	45
Dallas	---	400	---	---	350	---	100	850
De Kalb	820	100	50	5,000	---	---	720	6,690
Elmore	---	437	100	---	---	---	474	1,011
Escambia	---	907	---	---	743	---	265	1,915
Etowah	200	100	277	80	108	356	1,186	2,307
Fayette	445	60	---	120	35	30	120	810
Franklin	100	2,000	3,300	400	600	1,150	10,100	17,650
Geneva	---	26	34	---	25	100	---	185
Greene	---	40	---	---	---	---	200	240
Hale	---	285	15	---	15	---	40	355
Henry	---	---	---	---	---	284	25	309
Houston	---	20	---	---	75	---	85	180
Jackson	220	---	213	160	---	165	3,942	4,700

Table 6. -- Status of land disturbed by surface mining in Alabama as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Jefferson	9,000	750	324	4,800	250	150	2,500	17,774
Lamar	---	310	---	---	---	---	110	420
Lauderdale	---	166	---	---	---	---	10	176
Lawrence	---	---	---	---	---	---	30	30
Lee	---	20	---	---	10	70	5	105
Limestone	---	10	---	---	20	---	18	48
Lowndes	---	50	---	---	125	50	300	525
Macon	---	780	---	---	330	---	120	1,230
Madison	5	300	30	---	20	30	572	957
Marengo	---	67	---	---	19	---	25	111
Marion	3,800	100	110	3,000	30	60	150	7,250
Marshall	2	10	20	5	20	15	---	72
Mobile	---	---	1,135	---	---	335	245	1,715
Monroe	---	150	5	---	20	35	120	330
Montgomery	---	1,000	---	---	620	---	1,800	3,420
Morgan	---	87	216	---	57	122	59	541
Perry	---	---	---	---	4	---	60	64
Pickens	---	47	45	---	---	---	20	112
Pike	---	45	2,300	---	---	---	1,068	3,413
Randolph	---	25	300	---	131	15	125	596
Russell	---	500	1,220	---	130	60	450	2,360
St. Clair	1,000	150	---	125	15	---	375	1,665
Shelby	3,000	15	800	1,200	5	1,100	1,000	7,120
Sumter	---	---	---	---	15	20	176	211
Talladega	---	350	100	---	90	250	2,420	3,210
Tallapoosa	---	255	23	---	200	---	10	488
Tuscaloosa	19,000	200	1,000	9,387	100	---	2,000	31,687
Walker	27,900	100	---	3,750	---	---	6,350	38,100
Washington	---	250	175	---	50	100	40	615
Wilcox	---	107	---	---	20	---	115	242
Winston	2,000	150	150	500	100	100	125	3,125
Total	72,292	16,611	19,929	34,807	5,498	6,252	85,673	241,062

1/Based on information from Soil Conservation Service state office

Table 7. -- Status of land disturbed by surface mining in Alaska as of July 1, 1977, by regions 1/

[Acres; dashes indicate none]

Region	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Arctic	---	550	100	---	---	---	200	850
Northwest	---	100	1,200	---	---	---	500	1,800
Yukon	1,100	1,650	1,300	---	---	---	1,100	5,150
Southwest	---	100	300	---	---	---	200	600
South-Central	1,600	1,300	700	---	---	---	1,100	4,700
Southeast	---	600	400	---	---	---	900	1,900
Total	2,700	4,300	4,000	---	---	---	4,000	15,000

1/Based on information from Soil Conservation Service state office

Table 8. -- Status of land disturbed by surface mining in Arizona as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Apache	400	100	200	---	---	---	1,800	2,500
Cochise	---	400	2,600	---	---	---	4,000	7,000
Coconino	---	1,000	3,000	---	---	---	16,000	20,000
Gila	---	1,000	11,000	---	---	---	18,000	30,000
Graham	---	200	800	---	---	---	2,000	3,000
Greenlee	---	200	8,800	---	---	---	14,000	23,000
Maricopa	---	1,000	1,000	---	---	---	13,000	15,000
Mohave	---	200	1,800	---	---	---	4,000	6,000
Navajo	---	100	900	---	---	---	1,000	2,000
Pima	---	1,000	19,000	---	---	---	25,000	45,000
Pinal	---	500	7,500	---	---	---	11,000	19,000
Santa Cruz	---	200	800	---	---	---	3,000	4,000
Yavapai	---	300	1,700	---	---	---	3,000	5,000
Yuma	---	200	1,800	---	---	---	6,000	8,000
Total	400	6,400	60,900	---	---	---	121,800	189,500

1/Based on information from Soil Conservation Service state office

Table 9. -- Status of land disturbed by surface mining in Arkansas as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Arkansas	---	---	---	---	---	---	---	---
Ashley	---	5	---	---	---	---	65	70
Baxter	---	20	40	---	---	---	---	60
Benton	---	40	600	---	---	---	---	640
Boone	---	---	---	---	---	---	---	---
Bradley	---	100	---	---	---	---	100	200
Calhoun	---	2,300	---	---	---	---	100	2,400
Carroll	---	50	100	---	---	---	---	150
Chicot	---	---	---	---	---	---	---	---
Clark	---	150	20	---	---	20	60	250
Clay	---	325	---	---	---	---	---	325
Cleburne	---	22	15	---	---	---	5	42
Cleveland	---	100	---	---	---	---	300	400
Columbia	---	332	---	---	---	---	---	332
Conway	---	25	---	---	---	---	---	25
Craighead	---	800	---	---	---	30	40	870
Crawford	---	---	---	---	---	---	151	151
Crittenden	---	---	---	---	---	---	---	---
Cross	---	556	---	---	---	---	54	610
Dallas	---	285	---	11	---	---	75	371
Desha	---	---	---	---	---	---	---	---
Drew	---	450	---	---	---	---	150	600
Faulkner	---	---	---	---	---	---	---	---
Franklin	1,571	30	---	439	---	201	420	2,661
Fulton	---	---	---	---	---	---	---	---
Garland	---	60	65	---	---	75	20	220
Grant	---	35	---	---	---	---	6	41
Greene	---	100	---	---	---	---	10	110
Hempstead	---	170	---	---	10	15	1,800	1,995
Hot Spring	---	1,700	730	---	---	70	240	2,740
Howard	---	---	216	---	---	100	---	316
Independence	100	20	120	---	---	---	100	340
Izard	---	---	---	---	---	---	200	200
Jackson	---	200	100	---	---	---	---	300
Jefferson	---	80	---	---	---	---	---	80

Table 9. -- Status of land disturbed by surface mining in Arkansas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Johnson	1,900	---	66	1,500	---	84	500	4,050
Lafayette	---	524	---	---	---	---	2,000	2,524
Lawrence	---	100	80	---	---	---	---	180
Lee	---	---	---	---	---	---	---	---
Lincoln	---	575	---	---	---	---	200	775
Little River	---	539	---	---	---	---	---	539
Logan	54	10	40	21	---	---	---	125
Lonoke	---	81	700	---	---	---	---	781
Madison	---	---	5	---	---	---	---	5
Marion	---	---	---	---	---	---	---	---
Miller	---	3,420	260	---	---	15	150	3,845
Mississippi	---	---	---	---	---	---	---	---
Monroe	---	50	12	---	---	---	---	62
Montgomery	---	20	---	---	---	51	---	71
Nevada	---	110	59	---	---	11	40	220
Newton	---	8	---	---	---	---	---	8
Ouachita	---	3,591	---	---	---	9	600	4,200
Perry	---	---	---	---	---	---	---	---
Phillips	---	40	---	---	---	---	---	40
Pike	---	115	125	---	---	35	107	382
Poinsett	---	400	---	---	---	---	100	500
Polk	---	---	90	---	---	---	---	90
Pope	184	15	313	---	---	50	128	690
Prairie	---	---	---	---	---	---	---	---
Pulaski	---	70	3,456	---	10	180	319	4,035
Randolph	---	100	---	---	---	---	20	120
St. Francis	---	519	---	---	---	---	---	519
Saline	10	400	3,362	---	---	638	600	5,010
Scott	230	25	20	---	---	---	40	315
Searcy	---	---	---	---	---	3	---	3
Sebastian	1,572	40	297	888	---	3	500	3,300
Sevier	---	2,500	500	---	---	---	100	3,100
Sharp	---	---	40	---	---	---	---	40
Stone	---	20	---	---	---	---	---	20
Union	---	---	---	---	---	---	---	---
Van Buren	---	75	48	---	---	2	25	150

Table 9. -- Status of land disturbed by surface mining in Arkansas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Washington	---	4	---	---	---	---	4	8
White	---	120	---	---	---	---	120	240
Woodruff	---	---	---	---	---	---	---	---
Yell	2	57	---	---	---	---	---	59
Total	5,623	21,483	11,479	2,859	20	1,592	9,449	52,505

1/Based on information from Soil Conservation Service state office

Table 10. -- Status of land disturbed by surface mining in California as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Alameda	---	750	150	---	5,500	---	700	7,100
Alpine	---	10	700	---	2	---	---	712
Amador	---	---	800	500	1,000	748	500	3,548
Butte	---	550	2,700	---	485	13,800	---	17,535
Calaveras	---	300	450	---	600	800	400	2,550
Colusa	---	---	---	---	10	5	---	15
Contra Costa	---	160	145	---	810	---	45	1,160
Del Norte	---	---	---	---	---	---	275	275
El Dorado	---	35	200	---	80	---	9,000	9,315
Fresno	---	---	640	---	600	---	320	1,560
Glenn	---	320	20	---	300	150	---	790
Humboldt	---	---	---	---	---	---	530	530
Imperial	---	---	---	---	---	---	---	---
Inyo	---	100	200	---	---	---	---	300
Kern	---	40	1,140	---	1,000	1,500	---	3,680
Kings	---	---	---	---	40	675	500	1,215
Lake	---	300	500	---	---	---	200	1,000
Lassen	---	200	200	---	300	200	100	1,000
Los Angeles	---	---	---	---	---	---	---	---
Madera	---	---	---	---	---	---	---	---
Marin	---	130	30	---	---	---	---	160
Mariposa	---	---	---	---	250	24,190	---	24,440
Mendocino	---	---	---	---	---	---	150	150
Merced	---	---	---	---	390	30	5,355	5,775
Modoc	---	300	560	---	---	---	300	1,160
Mono	---	80	500	---	---	---	---	580
Monterey	---	---	---	---	---	---	723	723
Napa	---	50	100	---	---	---	1,160	1,310
Nevada	---	---	---	---	---	---	10,542	10,542
Orange	---	2	2	---	8	2	---	14
Placer	---	---	---	---	50	60	2,000	2,110
Plumas	---	24	6	---	---	---	---	30
Riverside	---	59	190	---	29	5	409	692
Sacramento	---	500	4,000	---	---	---	---	4,500
San Benito	---	140	208	---	40	316	---	704
San Bernardino	---	170	500	---	500	2,000	500	3,670

Table 10. -- Status of land disturbed by surface mining in California as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
San Diego	---	625	---	---	---	---	665	1,290
San Francisco	---	---	---	---	---	---	100	100
San Joaquin	---	---	---	---	400	---	1,000	1,400
San Luis Obispo	---	125	1,170	---	---	---	15	1,310
San Mateo	---	---	65	---	---	400	80	545
Santa Barbara	---	70	1,550	---	---	10	400	2,030
Santa Clara	---	---	---	---	---	---	430	430
Santa Cruz	---	---	---	---	---	---	6,981	6,981
Shasta	---	500	10,500	---	---	---	4,000	15,000
Sierra	---	10	5,820	---	---	---	2,500	8,330
Siskiyou	---	51	2,062	---	---	---	516	2,629
Solano	---	459	---	---	3,488	---	---	3,947
Sonoma	---	---	375	---	1,105	1,675	---	3,155
Stanislaus	---	100	200	---	25	50	100	475
Sutter	---	---	---	---	---	50	25	75
Tehama	---	200	5	---	---	---	---	205
Trinity	10	50	44,940	---	---	---	5,000	50,000
Tulare	---	1,260	120	---	160	---	320	1,860
Tuolumne	---	200	250	---	300	600	400	1,750
Ventura	---	---	---	---	150	50	---	200
Yolo	---	100	---	---	---	---	90	190
Yuba	---	---	---	---	20	4,000	2,010	6,030
Total	10	7,970	80,998	500	17,642	51,316	59,061	216,497

1/Based on information from Soil Conservation Service state office

Table 11. -- Status of land disturbed by surface mining in the Caribbean Area as of July 1, 1977 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Puerto Rico districts (Groups of municipalities)								
6 Aguadilla----------	---	54	21	---	---	---	15	90
1 Arecibo----------	---	144	56	---	---	---	40	240
10 Barranquitas---------	---	50	20	---	---	---	14	84
9 Bayamon----------	---	179	71	---	---	---	50	300
16 Caguas----------	---	359	141	---	---	---	100	600
17 Cayey----------	---	108	42	---	---	---	30	180
4 Corozal----------	---	53	22	---	---	---	15	90
13 Guayama----------	---	108	42	---	---	---	30	180
12 Humacao----------	---	216	84	---	---	---	60	360
3 Juana Diaz----------	---	216	84	---	---	---	60	360
8 Mayaguez----------	---	108	42	---	---	---	30	180
7 Manati----------	---	179	71	---	---	---	50	300
15 Ponce----------	---	216	84	---	---	---	60	360
11 Rio Grande----------	---	359	141	---	---	---	100	600
9 San Juan----------	---	---	---	---	---	---	---	---
5 San Sebastian--------	---	43	17	---	---	---	12	72
14 San Serman----------	---	108	42	---	---	---	30	180
2 Utuado----------	---	50	20	---	---	---	14	84
Other municipalities								
St. Croix----------	---	---	---	---	---	---	---	---
St. Thomas----------	---	---	---	---	---	---	---	---
St. John----------	---	---	---	---	---	---	---	---
Total	---	2,550	1,000	---	---	---	710	4,260

1/Based on information from Soil Conservation Service state office

Table 12. -- Status of land disturbed by surface mining in Colorado as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	520	---	---	600	---	200	1,320
Alamosa	---	207	---	---	50	5	132	394
Arapahoe	---	12	30	---	504	---	---	546
Archuleta	---	4	---	13	32	---	4	53
Baca	---	53	8	---	175	8	18	262
Bent	---	565	36	---	275	30	---	906
Boulder	3,000	500	100	---	5,000	1,000	5,500	15,100
Chaffee	---	90	495	---	95	205	---	885
Cheyenne	---	30	---	---	---	---	30	60
Clear Creek	---	7	289	---	3	75	---	374
Conejos	---	16	6	---	1	---	12	35
Costilla	---	8	15	---	---	---	---	23
Crowley	---	19	---	---	95	---	30	144
Custer	---	26	47	---	16	---	---	89
Delta	49	33	---	11	83	---	84	260
Denver	---	---	---	---	---	---	65	65
Dolores	---	65	100	---	5	5	5	180
Douglas	---	95	177	---	206	53	20	551
Eagle	---	120	180	---	24	20	60	404
Elbert	---	7	3	3	45	120	7	185
El Paso	3	197	---	---	250	93	50	593
Fremont	300	60	300	44	30	103	160	997
Garfield	45	40	10	46	65	10	70	286
Gilpin	---	---	107	---	8	10	---	125
Grand	---	62	40	---	102	40	129	373
Gunnison	75	30	140	10	50	30	---	335
Hinsdale	---	---	180	---	6	10	---	196
Huerfano	38	238	8	---	3	---	---	287
Jackson	202	172	190	200	30	---	60	854
Jefferson	---	640	358	---	735	145	120	1,998
Kiowa	---	160	---	---	42	---	---	202
Kit Carson	---	---	---	---	4	---	---	4
Lake	---	63	2,138	---	62	1,315	---	3,578
LaPlata	23	77	27	---	24	---	13	164
Larimer	---	1,016	2,902	---	630	719	1,400	6,667
Las Animas	657	3	62	3	---	---	2	727

Table 12. -- Status of land disturbed by surface mining in Colorado as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Lincoln	---	202	---	---	4	---	131	337
Logan	---	40	---	---	140	---	25	205
Mesa	10	150	180	4	100	30	145	619
Mineral	---	1	5	---	7	30	---	43
Moffat	---	150	100	50	240	---	200	740
Montezuma	---	30	125	---	135	75	30	395
Montrose	---	159	2,107	172	14	30	---	2,482
Morgan	---	50	30	---	160	---	30	270
Otero	---	51	---	---	33	5	16	105
Ouray	---	14	90	---	8	15	---	127
Park	---	---	920	---	40	5	---	965
Phillips	---	43	---	---	---	---	---	43
Pitkin	50	10	30	30	15	10	20	165
Prowers	---	624	---	---	240	---	320	1,184
Pueblo	---	279	55	---	51	18	---	403
Rio Blanco	---	88	2	---	252	---	41	383
Rio Grande	---	45	42	---	40	3	147	277
Routt	1,937	120	99	609	80	---	2,747	5,592
Saguache	---	50	700	---	40	180	280	1,250
San Juan	---	12	155	---	2	15	15	199
San Miguel	---	35	1,618	---	98	681	835	3,267
Sedgwick	---	97	---	---	---	---	---	97
Summit	---	20	650	---	80	800	430	1,980
Teller	---	---	1,000	---	19	620	---	1,639
Washington	---	275	---	---	---	---	15	290
Weld	700	648	5	---	620	---	425	2,398
Yuma	---	6	---	---	4	---	---	10
Total	7,089	8,334	15,861	1,195	11,672	6,513	14,023	64,687

1/Based on information from Soil Conservation Service state office

Table 13. -- Status of land disturbed by surface mining in Connecticut as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Fairfield----------	---	5,585	---	---	---	---	2,500	8,085
Hartford----------	---	1,950	100	---	---	---	75	2,125
Litchfield----------	---	1,375	147	---	---	---	65	1,587
Middlesex----------	---	375	225	---	---	---	70	670
New Haven----------	---	2,800	200	---	---	---	1,200	4,200
New London----------	---	470	105	---	---	---	425	1,000
Tolland----------	---	1,370	10	---	---	---	120	1,500
Windham----------	---	2,815	---	---	---	---	135	2,950
Total	---	16,740	787	---	---	---	4,590	22,117

1/Based on information from Soil Conservation Service state office

Table 14. -- Status of land disturbed by surface mining in Delaware as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Kent----------	---	1,187	---	---	---	---	198	1,385
New Castle----------	---	1,475	63	---	---	---	60	1,598
Sussex----------	---	250	---	---	---	---	1,240	1,490
Total	---	2,912	63	---	---	---	1,498	4,473

1/Based on information from Soil Conservation Service state office

Table 15. -- Status of land disturbed by surface mining in Florida as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Alachua	---	100	9,150	---	---	---	---	9,250
Baker	---	196	19	---	---	---	244	459
Bay	---	225	15	---	640	580	120	1,580
Bradford	---	---	---	---	---	---	340	340
Brevard	---	265	---	---	---	---	841	1,106
Broward	---	---	30,100	---	---	1,100	20,000	51,200
Calhoun	---	70	15	---	---	---	35	120
Charlotte	---	---	---	---	---	---	200	200
Citrus	---	45	3,085	---	---	130	3,130	6,390
Clay	---	---	---	---	---	380	5,952	6,332
Collier	---	900	400	---	---	---	---	1,300
Columbia	---	54	82	---	---	---	47	183
Dade	---	---	3,200	---	---	---	---	3,200
De Soto	---	175	505	---	---	---	---	680
Dixie	---	30	49	---	---	---	---	79
Duval	---	200	2,000	---	---	---	---	2,200
Escambia	---	22	---	---	---	65	891	978
Flagler	---	---	560	---	---	---	---	560
Franklin	---	25	---	---	---	---	10	35
Gadsden	---	105	790	---	5	40	1,750	2,690
Gilchrist	---	10	20	---	---	---	---	30
Glades	---	---	---	---	---	10	610	620
Gulf	---	20	10	---	---	---	6	36
Hamilton	---	---	5,000	---	---	1,000	---	6,000
Hardee	---	15	30	---	---	---	45	90
Hendry	---	146	106	---	---	---	---	252
Hernando	---	80	2,130	---	---	640	2,210	5,060
Highlands	---	150	300	---	---	---	---	450
Hillsborough	---	200	8,900	---	120	1,360	3,000	13,580
Holmes	---	44	5	---	---	---	---	49
Indian River	---	120	40	---	20	---	120	300
Jackson	---	20	330	---	---	---	---	350
Jefferson	---	---	188	---	---	---	---	188
Lafayette	---	22	155	---	---	---	55	232
Lake	---	500	115	---	2,000	500	---	3,115
Lee	---	---	---	---	---	---	500	500

Table 15. -- Status of land disturbed by surface mining in Florida as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Leon	---	20	405	---	---	---	75	500
Levy	---	2	153	---	---	---	---	155
Liberty	---	20	15	---	---	---	25	60
Madison	---	260	30	---	40	10	100	440
Manatee	---	---	410	---	15	15	25	465
Marion	---	2,150	2,220	---	---	---	200	4,570
Martin	---	140	---	---	5	---	60	205
Monroe	---	---	---	---	---	---	---	---
Nassau	---	65	2	---	---	300	---	367
Okaloosa	---	384	19	---	---	---	---	403
Okeechobee	---	100	106	---	---	---	---	206
Orange	---	200	10	---	---	---	300	510
Osceola	---	---	---	---	---	---	---	---
Palm Beach	---	---	29,000	---	---	2,452	10,000	41,452
Pasco	---	40	20	---	---	---	50	110
Pinellas	---	150	---	---	---	---	---	150
Polk	---	350	130,650	---	250	12,140	6,000	149,390
Putnam	---	2,400	200	---	---	---	---	2,600
St. Johns	---	---	---	---	---	---	---	---
St. Lucie	---	40	40	---	40	---	40	160
Santa Rosa	---	---	182	---	---	---	---	182
Sarasota	---	100	80	---	230	200	100	710
Seminole	---	230	70	---	---	---	300	600
Sumter	---	30	1,590	---	---	---	2,450	4,070
Suwannee	---	215	1,650	---	---	---	---	1,865
Taylor	---	192	272	---	---	---	285	749
Union	---	---	10	---	---	---	---	10
Volusia	---	90	50	---	---	---	1,000	1,140
Wakulla	---	30	215	---	---	---	40	285
Walton	---	40	873	---	---	---	54	967
Washington	---	175	129	---	---	---	56	360
Total	---	11,162	235,700	---	3,365	20,922	61,266	332,415

1/Based on information from Soil Conservation Service state office

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Appling	---	---	---	---	---	---	---	---
Atkinson	---	---	---	---	---	---	---	---
Bacon	---	---	---	---	---	7	---	7
Baker	---	---	---	---	---	---	---	---
Baldwin	---	---	---	---	---	100	---	100
Banks	---	---	---	---	---	31	---	31
Barrow	---	---	1	---	---	---	---	1
Bartow	---	---	---	---	---	559	1,042	1,601
Ben Hill	---	---	---	---	---	---	---	---
Berrien	---	60	---	---	---	---	---	60
Bibb	---	89	161	---	44	242	267	803
Bleckley	---	---	---	---	---	---	---	---
Brantley	---	---	---	---	6	---	16	22
Brooks	---	---	---	---	---	---	2	2
Bryan	---	10	---	---	---	---	20	30
Bulloch	---	---	35	---	---	---	300	335
Burke	---	---	---	---	---	9	---	9
Butts	---	---	---	---	---	---	---	---
Calhoun	---	---	---	---	---	190	306	496
Camden	---	50	---	---	---	---	100	150
Candler	---	---	---	---	2	---	---	2
Carroll	---	---	---	---	---	169	---	169
Catoosa	---	115	---	---	---	---	---	115
Charlton	---	50	---	---	---	75	1,655	1,780
Chatham	---	50	10	---	366	---	500	926
Chattahoochee	---	---	---	---	---	---	---	---
Chattooga	---	---	---	430	---	---	75	505
Cherokee	---	---	---	---	---	---	---	---
Clarke	---	---	---	---	78	---	---	78
Clay	---	---	---	---	---	---	---	---
Clayton	---	---	---	---	117	---	---	117
Clinch	---	---	---	---	---	---	---	---
Cobb	---	---	---	---	132	---	---	132
Coffee	---	---	---	---	13	---	---	13
Colquitt	---	5	---	---	---	---	3	8
Columbia	---	---	---	---	---	---	---	---

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Cook	---	---	---	---	16	---	---	16
Coweta	---	14	---	---	77	---	---	91
Crawford	---	14	---	---	49	---	---	63
Crisp	---	---	---	---	---	---	---	---
Dade	680	126	95	165	---	---	333	1,399
Dawson	---	---	---	---	---	---	---	---
Decatur	---	---	405	---	6	292	5	708
De Kalb	---	---	---	---	410	---	323	733
Dodge	---	---	---	---	---	---	---	---
Dooly	---	---	---	---	---	---	---	---
Dougherty	---	70	---	---	50	---	55	175
Douglas	---	---	---	---	173	170	217	560
Early	---	---	---	---	---	---	---	---
Echols	---	---	---	---	---	---	---	---
Effingham	---	300	---	---	89	---	751	1,140
Elbert	---	---	---	---	---	24	---	24
Emanuel	---	---	---	---	---	---	---	---
Evans	---	---	---	---	---	46	---	46
Fannin	---	---	---	---	34	---	25	59
Fayette	---	---	---	---	---	240	---	240
Floyd	---	---	---	---	75	177	25	277
Forsyth	---	---	---	---	---	---	98	98
Franklin	---	---	---	---	---	---	---	---
Gilmer	---	---	---	---	65	367	82	514
Glascock	---	---	4	---	---	4	4	12
Glynn	---	---	---	---	10	55	25	90
Gordon	---	75	---	---	---	42	20	137
Grady	---	25	25	---	---	46	307	403
Greene	---	---	---	---	133	---	---	133
Gwinnett	---	---	---	--	445	---	20	465
Habersham	---	---	---	---	63	---	---	63
Hall	---	---	---	---	254	---	---	254
Hancock	---	---	---	---	---	55	---	55
Haralson	---	---	---	---	---	---	---	---
Harris	---	---	---	---	---	---	---	---
Hart	---	---	---	---	---	53	11	64

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Heard	---	---	12	---	---	---	---	12
Henry	---	---	---	---	129	---	---	129
Houston	---	40	300	---	---	670	100	1,110
Irwin	---	---	---	---	---	---	---	---
Jackson	---	---	---	---	---	---	---	---
Jasper	---	---	30	---	---	35	89	154
Jeff Davis	---	---	---	---	---	---	---	---
Jefferson	---	---	45	---	---	72	10	127
Jenkins	---	---	---	---	---	---	---	---
Johnson	---	---	---	---	---	---	---	---
Jones	---	180	---	---	252	---	40	472
Lamar	---	---	---	---	---	---	---	---
Lanier	---	---	---	---	---	---	---	---
Laurens	---	---	---	---	27	---	---	27
Lee	---	---	---	---	200	---	---	200
Liberty	---	10	---	---	---	---	30	40
Lincoln	---	---	65	---	---	188	---	253
Long	---	10	---	---	17	---	23	50
Lowndes	---	40	25	---	101	---	40	206
Lumpkin	---	---	---	---	---	10	---	10
McDuffie	---	---	---	---	---	---	---	---
McIntosh	---	20	5	---	8	---	33	66
Macon	---	---	84	---	---	24	8	116
Madison	---	---	---	---	---	1	---	1
Marion	---	45	---	---	30	---	---	75
Meriwether	---	---	---	---	23	---	---	23
Miller	---	---	---	---	2	1	---	3
Mitchell	---	---	50	---	---	---	---	50
Monroe	---	75	---	---	127	---	---	202
Montgomery	---	---	---	---	35	---	---	35
Morgan	---	---	---	---	---	---	10	10
Murray	---	43	---	---	25	10	25	103
Muscogee	---	800	86	---	15	206	600	1,707
Newton	---	---	18	---	---	26	65	109
Oconee	---	---	---	---	---	---	---	---
Oglethorpe	---	---	---	---	---	---	---	---

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Paulding	---	---	---	---	---	10	---	10
Peach	---	---	---	---	35	---	---	35
Pickens	---	---	50	---	---	---	200	250
Pierce	---	---	---	---	22	---	---	22
Pike	---	---	---	---	13	---	---	13
Polk	---	45	55	---	44	106	25	275
Pulaski	---	---	---	---	---	---	---	---
Putnam	---	---	---	---	---	---	---	---
Quitman	---	---	50	---	---	64	50	164
Rabun	---	---	---	---	---	50	20	70
Randolph	---	---	23	---	---	5	---	28
Richmond	---	250	300	---	30	1,200	200	1,980
Rockdale	---	---	---	---	70	---	---	70
Schley	---	---	---	---	---	---	---	---
Screven	---	---	---	---	---	---	---	---
Seminole	---	---	---	---	---	11	5	16
Spalding	---	---	---	---	124	---	---	124
Stephens	---	---	---	---	---	32	---	32
Stewart	--	---	285	---	---	131	327	743
Sumter	---	10	150	---	25	371	60	616
Talbot	---	90	---	---	99	---	35	224
Taliaferro	---	---	---	---	---	---	---	---
Tattnall	---	---	---	---	---	---	---	---
Taylor	---	242	---	---	46	---	---	288
Telfair	---	---	---	---	4	---	5	9
Terrell	---	---	---	---	---	---	---	---
Thomas	---	25	25	---	75	279	150	554
Tift	---	3	---	---	3	---	---	6
Toombs	---	---	---	---	---	---	---	---
Towns	---	20	8	---	---	---	12	40
Treutlen	---	---	---	---	3	---	---	3
Troup	---	---	10	---	80	---	25	115
Turner	---	---	---	---	2	---	---	2
Twiggs	---	---	10,000	---	40	2,514	3,150	15,704
Union	---	---	---	---	---	68	18	86
Upson	---	---	---	---	---	---	---	---

Table 16. -- Status of land disturbed by surface mining in Georgia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Walker	1,000	115	16	169	---	---	725	2,025
Walton	---	---	---	---	46	---	---	46
Ware	---	---	---	---	44	---	3	47
Warren	---	30	---	---	---	185	50	265
Washington	---	30	1,500	---	10	1,560	1,500	4,600
Wayne	---	---	---	---	32	---	---	32
Webster	---	---	25	---	---	---	325	350
Wheeler	---	---	---	---	32	---	---	32
White	---	80	55	---	---	---	675	810
Whitfield	---	97	---	---	---	237	27	361
Wilcox	---	---	---	---	---	---	---	---
Wilkes	---	---	---	---	---	---	---	---
Wilkinson	---	---	10,000	---	---	2,799	8,000	20,799
Worth	---	---	---	---	---	---	---	---
Total	1,680	3,353	24,008	764	4,623	13,772	23,247	71,447

1/Based on information from Soil Conservation Service state office

Table 17. -- Status of land disturbed by surface mining in Hawaii as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Hawaii	---	---	5	---	---	---	---	5
Honolulu	---	10	105	---	---	---	---	115
Kauai	---	---	---	---	---	---	---	---
Maui	---	5	5	---	---	---	---	10
Total	---	15	115	---	---	---	---	130

1/Based on information from Soil Conservation Service state office

Table 18. -- Status of land disturbed by surface mining in Idaho as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Ada	---	180	---	---	415	---	80	675
Adams	---	5	---	---	138	---	---	143
Bannock	---	472	---	---	300	---	---	772
Bear Lake	---	30	75	---	144	---	---	249
Benewah	---	50	---	---	116	20	---	186
Bingham	---	250	---	---	358	---	---	608
Blaine	---	40	---	---	322	---	---	362
Boise	---	15	420	---	132	80	---	647
Bonner	---	60	---	---	132	---	110	302
Bonneville	---	1,500	---	---	437	---	1,300	3,237
Boundary	---	15	---	---	161	---	30	206
Butte	---	5	---	---	195	---	---	200
Camas	---	25	---	---	---	---	---	25
Canyon	---	185	---	---	302	---	---	487
Caribou	---	111	310	---	356	1,627	---	2,404
Cassia	---	750	---	---	1,606	---	70	2,426
Clark	---	10	30	---	414	---	---	454
Clearwater	---	5	---	---	36	---	---	41
Custer	---	5	100	---	5,673	1,514	---	7,292
Elmore	---	100	25	---	765	---	80	970
Franklin	---	20	---	---	141	---	---	161
Fremont	---	100	---	---	194	---	---	294
Gem	---	25	---	---	37	---	---	62
Gooding	---	105	25	---	804	---	---	934
Idaho	---	60	50	---	212	25	---	347
Jefferson	---	75	---	---	525	---	80	680
Jerome	---	10	---	---	485	---	80	575
Kootenai	---	35	---	---	257	---	---	292
Latah	---	100	60	---	223	---	---	383
Lemni	---	10	80	---	276	---	---	366
Lewis	---	8	---	---	70	---	---	78
Lincoln	---	35	---	---	727	---	---	762
Madison	---	12	---	---	54	---	---	66
Minidoka	---	140	---	---	30	---	---	170
Nez Perce	---	20	---	---	35	---	80	135
Oneida	---	125	---	---	156	34	200	515
Owyhee	---	50	40	---	724	200	---	1,014

Table 18. -- Status of land disturbed by surface mining in Idaho as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Payette	---	55	---	---	50	---	---	105
Power	---	90	---	---	175	---	80	345
Shoshone	---	20	245	---	73	---	---	338
Teton	---	12	---	---	42	---	150	204
Twin Falls	---	180	---	---	656	---	---	836
Valley	---	---	40	---	135	---	80	255
Washington	---	---	---	---	117	---	80	197
Total	---	5,100	1,500	---	18,200	3,500	2,500	30,800

1/Based on information from Soil Conservation Service state office

Table 19. -- Status of land disturbed by surface mining in Illinois as of July 1, 1977 by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	---	---	---	---	15	40	55
Alexander	---	5	5	---	10	---	3	23
Bond	---	500	---	---	---	---	---	500
Boone	---	90	65	---	---	---	---	155
Brown	25	137	338	---	---	---	---	500
Bureau	2,960	812	---	---	---	---	60	3,832
Calhoun	---	---	3	---	---	---	---	3
Carroll	---	---	---	---	175	145	98	418
Cass	---	---	---	---	---	---	---	---
Champaign	---	350	---	---	---	---	210	560
Christian	---	10	40	---	---	120	---	170
Clark	---	654	---	---	33	---	---	687
Clay	---	---	160	---	---	40	25	225
Clinton	---	7	---	---	39	---	71	117
Coles	---	20	---	---	190	20	20	250
Cook	---	520	640	---	460	---	80	1,700
Crawford	---	---	---	---	---	---	200	200
Cumberland	---	205	---	---	---	---	22	227
De Kalb	---	10	---	---	50	---	10	70
De Witt	---	100	---	---	50	---	25	175
Douglas	---	---	---	100	50	---	20	170
Du Page	---	35	---	---	866	80	246	1,227
Edgar	---	---	---	---	---	---	---	---
Edwards	---	---	---	---	---	---	---	---
Effingham	---	20	120	---	---	---	20	160
Fayette	---	25	---	---	70	---	---	95
Ford	---	463	---	---	5	---	---	468
Franklin	1,585	---	---	940	---	---	520	3,045
Fulton	45,850	45	3,750	520	---	---	15,500	65,665
Gallatin	500	80	---	800	---	---	800	2,180
Greene	25	---	20	---	---	9	---	54
Grundy	460	95	315	---	25	10	7,642	8,547
Hamilton	---	---	---	---	---	---	---	---
Hancock	---	20	50	---	---	---	---	70
Hardin	101	3	340	---	---	---	3	447
Henderson	---	18	---	---	62	---	25	105

Table 19. -- Status of land disturbed by surface mining in Illinois as of July 1, 1977 by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Henry	580	---	---	---	---	40	4,100	4,720
Iroquois	---	118	---	---	3	---	---	121
Jackson	2,858	2	120	988	3	69	3,000	7,040
Jasper	---	25	---	---	---	---	5	30
Jefferson	---	40	---	267	---	---	2,145	2,452
Jersey	---	---	---	---	---	10	2	12
Jo Daviess	---	100	120	---	---	---	50	270
Johnson	---	---	5	20	---	10	2	37
Kane	---	835	---	---	2,080	15	220	3,150
Kankakee	1,956	25	120	---	---	---	196	2,297
Kendall	---	419	119	---	12	5	295	850
Knox	11,434	35	---	9,841	71	---	---	21,381
Lake	---	77	60	---	370	---	581	1,088
La Salle	1,921	1,400	2,479	---	400	200	2,000	8,400
Lawrence	---	---	---	---	---	---	1,172	1,172
Lee	---	190	84	---	87	560	100	1,021
Livingston	---	123	1,153	---	50	375	1,034	2,735
Logan	50	30	25	---	140	---	100	345
McDonough	300	3	1	---	---	1	200	505
McHenry	---	2,214	45	---	1,121	---	576	3,956
McLean	---	1,181	375	---	---	---	---	1,556
Macon	---	300	---	---	300	40	200	840
Macoupin	325	---	---	280	---	450	10	1,065
Madison	438	40	---	---	396	---	---	874
Marion	---	---	50	---	---	---	150	200
Marshall	35	100	---	---	---	---	160	295
Mason	---	30	---	---	---	---	---	30
Massac	---	71	28	---	---	---	---	99
Menard	---	---	380	---	---	---	---	380
Mercer	---	---	---	---	200	---	---	200
Monroe	---	---	---	---	---	93	---	93
Montgomery	300	80	60	---	---	860	140	1,440
Morgan	---	---	---	---	10	---	---	10
Moultrie	---	30	---	---	4	---	15	49
Ogle	---	385	415	---	---	---	---	800
Peoria	500	500	---	500	---	100	8,100	9,700

Table 19. -- Status of land disturbed by surface mining in Illinois as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Perry	20,000	---	---	2,000	---	---	16,000	38,000
Piatt	---	30	---	---	80	---	---	110
Pike	---	50	35	---	---	---	---	85
Pope	---	2	2	14	---	---	14	32
Pulaski	---	5	15	---	10	120	7	157
Putnam	80	20	---	---	---	---	240	340
Randolph	2,387	5	7	7,689	---	---	1,000	11,088
Richland	---	---	---	---	---	---	36	36
Rock Island	---	---	---	---	320	---	40	360
St. Clair	769	---	555	7,380	100	150	6,248	15,202
Saline	4,510	---	---	6,950	---	---	200	11,660
Sangamon	---	---	---	---	160	---	---	160
Schuyler	643	3	5	---	10	---	850	1,511
Scott	---	---	---	---	40	30	80	150
Shelby	---	130	---	---	---	---	---	130
Stark	---	20	---	500	---	---	450	970
Stephenson	---	---	270	---	---	---	22	292
Tazewell	---	1,215	15	---	---	440	275	1,945
Union	---	---	---	---	10	---	345	355
Vermilion	2,547	110	620	---	---	---	2,750	6,027
Wabash	25	---	---	---	70	---	85	180
Warren	---	200	---	---	---	---	---	200
Washington	---	---	340	---	---	240	240	820
Wayne	---	5	---	---	---	---	---	5
White	---	---	---	---	---	---	---	---
Whiteside	---	10	---	---	150	300	60	520
Will	6,749	3,913	380	---	200	10	1,112	12,364
Williamson	8,763	---	---	2,110	---	---	8,563	19,436
Winnebago	---	1,665	463	---	---	---	---	2,128
Woodford	35	370	---	---	100	---	50	555
Total	118,711	20,330	14,192	40,899	8,582	4,557	88,860	296,131

1/Based on information from Soil Conservation Service state office

Table 20. -- Status of land disturbed by surface mining in Indiana as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	1	---	---	6	---	---	7
Allen	---	80	75	---	75	250	200	680
Bartholomew	---	---	---	---	80	40	---	120
Benton	---	30	---	---	---	---	40	70
Blackford	---	4	---	---	15	20	3	42
Boone	---	---	---	---	---	---	100	100
Brown	---	---	---	---	---	15	---	15
Carroll	---	---	---	---	---	---	151	151
Cass	---	960	---	---	---	---	---	960
Clark	---	150	550	---	---	---	---	700
Clay	---	---	---	11,945	---	---	5,000	16,945
Clinton	---	5	---	---	---	---	2	7
Crawford	2	405	---	---	135	---	---	542
Daviess	1,342	10	---	648	50	---	150	2,200
Dearborn	---	90	---	---	---	---	---	90
Decatur	---	---	35	---	---	---	190	225
De Kalb	---	200	17	---	---	---	277	494
Delaware	---	442	79	---	---	---	151	672
Dubois	---	---	---	318	---	---	---	318
Elkhart	---	365	---	---	---	---	100	465
Fayette	---	12	---	---	---	---	---	12
Floyd	---	---	40	---	---	---	300	340
Fountain	430	345	---	70	---	---	400	1,245
Franklin	---	---	---	---	---	100	100	200
Fulton	---	160	---	---	---	---	100	260
Gibson	500	100	---	768	---	---	---	1,368
Grant	---	---	40	---	238	295	100	673
Greene	10,000	200	---	4,609	---	---	2,000	16,809
Hamilton	---	---	---	---	---	---	150	150
Hancock	---	24	---	---	70	---	183	277
Harrison	---	270	320	---	---	---	5	595
Hendricks	---	---	---	---	---	---	219	219
Henry	---	280	10	---	80	---	120	490
Howard	---	---	---	---	30	---	35	65
Huntington	---	45	30	---	---	---	95	170
Jackson	---	---	---	---	20	10	50	80

Table 20. -- Status of land disturbed by surface mining in Indiana as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Jasper	---	222	---	---	---	---	---	222
Jay	---	---	---	---	40	80	200	320
Jefferson	---	---	35	---	---	15	50	100
Jennings	---	---	---	---	---	80	60	140
Johnson	---	---	---	---	---	---	295	295
Knox	1,200	200	---	2,406	600	---	800	5,206
Kosciusko	---	---	---	---	---	---	---	---
Lagrange	---	---	---	---	250	---	100	350
Lake	---	500	---	---	1,000	200	---	1,700
La Porte	---	400	100	---	---	---	1,000	1,500
Lawrence	---	---	3,000	---	---	---	---	3,000
Madison	---	---	149	---	---	---	308	457
Marion	---	1,018	---	---	600	---	700	2,318
Marshall	---	340	56	---	---	---	---	396
Martin	28	100	5	100	---	---	30	263
Miami	---	60	---	---	90	160	---	310
Monroe	---	---	1,147	---	---	---	---	1,147
Montgomery	---	50	---	---	---	---	30	80
Morgan	---	---	---	---	---	---	10	10
Newton	---	160	---	---	---	---	---	160
Noble	---	583	141	---	---	39	---	763
Ohio	50	---	---	---	---	---	---	50
Orange	---	---	---	---	---	---	---	---
Owen	1,895	100	200	---	---	---	800	2,995
Parke	---	200	40	---	---	40	686	966
Perry	185	---	---	112	---	400	35	732
Pike	2,200	---	---	26,355	---	---	6,000	34,555
Porter	---	95	---	---	---	---	---	95
Posey	---	---	---	---	---	---	96	96
Pulaski	---	---	---	---	---	---	55	55
Putnam	---	15	200	---	---	100	---	315
Randolph	---	105	70	---	---	---	225	400
Ripley	---	---	124	---	---	---	128	252
Rush	---	5	20	---	---	---	---	25
St. Joseph	---	800	---	---	---	---	613	1,413
Scott	---	---	2	---	---	50	10	62

Table 20. -- Status of land disturbed by surface mining in Indiana as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Shelby	---	5	10	---	---	---	564	579
Spencer	600	---	---	1,000	---	---	2,500	4,100
Starke	---	90	---	---	---	---	---	90
Steuben	---	25	---	---	---	---	---	25
Sullivan	---	---	---	17,197	160	---	---	17,357
Switzerland	---	---	---	---	---	---	153	153
Tippecanoe	---	853	---	---	---	---	---	853
Tipton	---	---	---	---	---	---	---	---
Union	---	1	2	---	---	---	---	3
Vanderburgh	---	---	10	---	---	---	---	10
Vermillion	---	65	---	4,053	---	---	785	4,903
Vigo	2,500	1,200	---	3,000	300	---	4,200	11,200
Wabash	---	150	---	---	200	---	75	425
Warren	---	290	10	---	---	---	120	420
Warrick	5,000	---	---	2,000	---	---	33,036	40,036
Washington	---	5	---	---	---	---	95	100
Wayne	---	---	---	---	40	--	60	100
Wells	---	10	5	---	---	---	300	315
White	---	---	---	---	---	---	360	360
Whitley	---	---	---	---	97	---	11	108
Total	25,882	11,875	6,522	74,581	4,176	1,894	64,711	189,641

1/Based on information from Soil Conservation Service state office

Table 21. -- Status of land disturbed by surface mining in Iowa as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adair	---	---	50	---	---	260	110	420
Adams	---	---	65	---	---	50	167	282
Allamakee	---	60	132	---	---	5	51	248
Appanoose	324	---	447	---	20	150	308	1,249
Audubon	---	50	---	---	60	---	---	110
Benton	---	35	295	---	5	60	100	495
Black Hawk	---	165	290	---	247	223	350	1,275
Boone	---	---	---	---	210	---	---	210
Bremer	---	2	---	---	47	65	---	114
Buchanan	---	12	128	---	130	229	140	639
Buena Vista	---	440	---	---	60	---	420	920
Butler	---	212	99	---	---	20	106	437
Calhoun	---	295	---	---	60	---	50	405
Carroll	---	140	---	---	30	---	30	200
Cass	---	40	160	---	---	100	40	340
Cedar	---	---	36	---	10	140	20	206
Cerro Gordo	---	400	366	---	210	472	1,048	2,496
Cherokee	---	451	---	---	63	---	---	514
Chickasaw	---	100	125	---	---	---	---	225
Clarke	---	---	---	---	30	---	80	110
Clay	---	393	---	---	147	---	50	590
Clayton	---	38	59	---	5	1	19	122
Clinton	---	130	---	---	794	---	---	924
Crawford	---	325	---	---	75	---	50	450
Dallas	30	50	---	---	117	20	40	257
Davis	450	---	---	---	5	65	---	520
Decatur	---	5	22	---	---	38	27	92
Delaware	---	40	60	---	70	235	200	605
Des Moines	---	---	44	---	45	55	234	378
Dickinson	---	550	---	---	250	---	150	950
Dubuque	---	8	48	---	4	20	---	80
Emmet	---	10	---	---	60	---	---	70
Fayette	---	105	450	---	15	---	---	570
Floyd	---	50	55	---	30	90	100	325
Franklin	---	447	245	---	50	570	---	1,312
Fremont	---	15	45	---	---	60	10	130

Table 21. -- Status of land disturbed by surface mining in Iowa as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Greene	---	---	---	---	250	---	100	350
Grundy	---	13	---	---	6	40	2	61
Guthrie	---	54	---	---	80	---	36	170
Hamilton	---	---	45	---	7	---	323	375
Hancock	---	75	25	---	350	50	30	530
Hardin	---	200	100	---	50	50	50	450
Harrison	---	30	50	---	100	177	180	537
Henry	---	100	120	---	---	---	30	250
Howard	---	53	33	---	19	66	15	186
Humboldt	---	377	208	---	---	211	84	880
Ida	---	20	---	---	---	---	---	20
Iowa	---	---	---	---	15	---	---	15
Jackson	---	21	---	---	347	---	---	368
Jasper	---	---	---	---	214	28	---	242
Jefferson	3	64	---	---	45	---	3	115
Johnson	---	44	168	---	60	200	2	474
Jones	---	100	60	--	60	30	140	390
Keokuk	160	20	30	---	20	210	60	500
Kossuth	---	---	---	---	200	---	100	300
Lee	---	---	---	---	---	---	---	---
Linn	---	---	---	---	70	335	40	445
Louisa	---	4	25	---	12	---	6	47
Lucas	300	50	---	40	40	---	100	530
Lyon	---	20	---	---	8	---	80	108
Madison	---	---	200	---	---	700	200	1,100
Mahaska	3,700	310	450	160	40	120	40	4,820
Marion	6,563	---	---	118	112	267	572	7,632
Marshall	---	122	---	---	348	352	50	872
Mills	---	---	114	---	39	84	---	237
Mitchell	---	140	90	---	20	140	70	460
Monona	---	---	---	---	147	---	16	163
Monroe	335	100	---	10	---	---	---	445
Montgomery	---	---	50	---	---	120	40	210
Muscatine	---	912	65	---	81	15	---	1,073
O'Brien	---	170	---	---	30	---	180	380
Osceola	---	161	---	---	63	---	70	294

Table 21. -- Status of land disturbed by surface mining in Iowa as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Page	5	6	---	---	81	94	8	194
Palo Alto	---	100	---	---	55	---	250	405
Plymouth	---	45	---	---	20	---	40	105
Pocahontas	---	---	---	---	---	---	289	289
Polk	---	98	---	---	315	---	102	515
Pottawattamie	---	70	215	---	180	222	40	727
Poweshiek	---	---	---	---	---	120	---	120
Ringgold	---	---	36	---	---	---	---	36
Sac	---	350	---	---	807	---	529	1,686
Scott	---	---	---	---	20	990	---	1,010
Shelby	---	75	---	---	80	---	---	155
Sioux	---	480	---	---	---	---	100	580
Story	---	10	---	---	312	132	10	464
Tama	---	---	46	---	15	190	15	266
Taylor	---	39	---	---	40	---	15	94
Union	---	20	---	---	30	40	30	120
Van Buren	331	---	247	---	45	38	40	701
Wapello	1,585	200	290	---	60	92	65	2,292
Warren	211	---	26	---	---	---	---	237
Washington	---	---	19	---	---	396	38	453
Wayne	---	---	---	---	43	---	14	57
Webster	---	76	427	13	251	966	2,103	3,836
Winnebago	---	103	---	---	31	45	---	179
Winneshiek	---	12	56	---	---	---	192	260
Woodbury	---	340	---	---	150	---	---	490
Worth	---	15	5	---	150	190	25	385
Wright	---	380	---	---	90	---	95	565
Total	13,997	10,147	6,421	341	8,457	9,638	10,519	59,520

1/Based on information from Soil Conservation Service state office

Table 22. -- Status of land disturbed by surface mining in Kansas as of July 1, 1977, counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Allen	---	86	188	---	100	182	456	1,012
Anderson	---	92	124	---	---	73	---	289
Atchison	---	10	62	---	---	---	---	72
Barber	---	47	26	---	---	25	---	98
Barton	---	60	---	---	530	320	140	1,050
Bourbon	2,700	100	---	700	130	---	400	4,030
Brown	---	130	---	---	3	---	20	153
Butler	---	200	---	---	---	---	---	200
Chase	---	69	225	---	---	---	65	359
Chautauqua	---	40	---	---	---	---	---	40
Cherokee	13,985	---	1,800	15	---	---	7,200	23,000
Cheyenne	---	---	---	---	---	---	---	---
Clark	---	50	---	---	---	---	---	50
Clay	---	50	55	---	---	---	15	120
Cloud	---	564	---	---	---	---	---	564
Coffey	115	185	536	---	---	---	---	836
Comanche	---	10	2	---	16	---	10	38
Cowley	---	---	---	---	---	---	720	720
Crawford	20,000	---	80	100	---	---	3,000	23,180
Decatur	---	80	---	---	---	---	10	90
Dickinson	---	278	---	---	578	---	107	963
Doniphan	---	405	---	---	106	---	---	511
Douglas	4	143	312	---	---	480	---	939
Edwards	---	95	---	---	---	---	15	110
Elk	---	---	---	---	---	300	500	800
Ellis	---	200	500	---	---	---	100	800
Ellsworth	---	30	50	---	---	---	185	265
Finney	---	410	---	---	---	---	---	410
Ford	---	306	21	---	---	---	---	327
Franklin	10	7	80	---	---	230	123	450
Geary	---	10	25	---	20	10	105	170
Gove	---	10	30	---	35	10	95	180
Graham	---	75	---	---	2	---	13	90
Grant	---	10	10	---	---	---	80	100
Gray	---	185	21	---	135	---	---	341
Greeley	---	2	---	---	---	---	2	4

Table 22. -- Status of land disturbed by surface mining in Kansas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Greenwood	---	---	---	---	---	---	120	120
Hamilton	---	20	---	---	---	---	25	45
Harper	---	45	---	---	---	---	20	65
Harvey	---	---	---	---	---	---	243	243
Haskell	---	47	---	---	---	---	205	252
Hodgeman	---	23	---	---	35	---	15	73
Jackson	---	135	---	---	40	---	155	330
Jefferson	---	---	952	---	---	---	---	952
Jewell	---	50	300	---	---	80	160	590
Johnson	---	80	120	---	120	880	200	1,400
Kearny	---	74	---	---	151	---	---	225
Kingman	---	---	---	---	---	---	---	---
Kiowa	---	30	---	---	24	---	---	54
Labette	591	---	498	---	---	---	---	1,089
Lane	---	---	---	---	---	---	50	50
Leavenworth	---	---	---	---	---	300	---	300
Lincoln	---	400	---	---	100	---	---	500
Linn	2,725	30	---	---	---	---	320	3,075
Logan	---	114	10	---	---	---	---	124
Lyon	---	90	---	---	110	---	30	230
McPherson	---	920	360	---	230	50	300	1,860
Marion	---	---	---	---	---	---	420	420
Marshall	---	300	---	---	50	---	150	500
Meade	---	200	80	---	---	---	70	350
Miami	---	---	800	---	---	---	---	800
Mitchell	---	20	50	---	---	---	180	250
Montgomery	---	85	400	---	---	---	800	1,285
Morris	---	---	400	---	---	---	---	400
Morton	---	30	---	---	---	---	10	40
Nemaha	---	60	45	---	10	10	10	135
Neosho	---	360	---	---	500	---	300	1,160
Ness	---	40	---	---	---	---	140	180
Norton	---	82	28	---	---	---	---	110
Osage	1,126	280	2	---	---	---	---	1,408
Osborne	---	40	---	---	---	---	---	40
Ottawa	---	180	---	---	---	--	---	180

Table 22. -- Status of land disturbed by surface mining in Kansas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Pawnee	---	10	---	---	134	---	---	144
Phillips	---	15	40	---	---	---	---	55
Pottawatomie	---	75	325	---	8	18	400	826
Pratt	---	182	10	---	---	---	---	192
Rawlins	---	170	---	---	---	---	50	220
Reno	---	159	---	---	---	---	96	255
Republic	---	55	---	---	---	---	75	130
Rice	---	180	480	---	---	---	320	980
Riley	---	2	15	---	2	20	37	76
Rooks	---	80	2	---	---	---	---	82
Rush	---	25	50	---	---	---	50	125
Russell	---	127	---	---	45	---	35	207
Saline	---	200	---	---	200	---	300	700
Scott	---	12	---	---	---	---	19	31
Sedgwick	---	372	---	---	---	---	598	970
Seward	---	500	---	---	---	---	400	900
Shawnee	---	160	380	---	20	680	140	1,380
Sheridan	---	35	---	---	---	---	---	35
Sherman	---	50	---	---	---	---	---	50
Smith	---	105	---	---	---	---	---	105
Stafford	---	10	---	---	30	---	15	55
Stanton	---	---	---	---	---	---	---	---
Stevens	---	190	---	---	---	---	19	209
Sumner	---	---	---	---	---	---	---	---
Thomas	---	80	---	---	---	---	60	140
Trego	---	172	---	---	20	---	10	202
Wabaunsee	---	166	---	---	---	---	---	166
Wallace	---	40	40	---	---	---	---	80
Washington	---	140	43	---	65	2	75	325
Wichita	---	59	---	---	---	---	---	59
Wilson	---	---	372	---	---	---	60	432
Woodson	---	80	160	---	---	---	---	240
Wyandotte	---	25	50	---	85	308	74	542
Total	41,256	11,150	10,159	815	3,634	3,978	20,117	91,109

1/Based on information from Soil Conservation Service state office

Table 23. -- Status of land disturbed by surface mining in Kentucky as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adair	---	---	15	---	---	---	---	15
Allen	---	---	12	---	---	---	---	12
Anderson	---	---	---	---	---	---	---	---
Ballard	---	30	---	---	140	---	100	270
Barren	---	---	---	---	---	---	---	---
Bath	---	---	2	---	---	---	---	2
Bell	4,000	---	---	15,753	---	---	10,180	29,933
Boone	---	---	---	---	582	---	46	628
Bourbon	---	---	---	---	---	---	---	---
Boyd	400	---	50	250	---	25	400	1,125
Boyle	---	---	---	---	---	---	---	---
Bracken	---	---	---	---	---	---	---	---
Breathitt	1,385	---	---	5,216	---	---	7,430	14,031
Breckinridge	---	---	195	---	---	---	---	195
Bullitt	---	40	---	---	315	---	40	395
Butler	190	10	---	1,150	40	---	1,835	3,225
Caldwell	---	---	70	---	---	---	---	70
Calloway	---	20	---	---	35	---	15	70
Campbell	---	---	---	---	---	---	---	---
Carlisle	---	110	---	---	140	100	100	450
Carroll	---	---	---	---	130	---	---	130
Carter	300	100	200	3,400	300	800	4,700	9,800
Casey	---	---	---	---	---	---	---	---
Christian	600	---	---	600	---	---	300	1,500
Clark	---	---	---	---	---	---	---	---
Clay	3,000	---	---	3,695	---	---	---	6,695
Clinton	32	35	---	---	35	---	67	169
Crittenden	---	---	---	---	---	---	75	75
Cumberland	---	---	---	---	30	---	---	30
Daviess	1,000	20	130	500	---	---	4,850	6,500
Edmonson	150	---	200	50	---	---	500	900
Elliott	100	---	---	250	---	---	1,500	1,850
Estill	---	---	---	---	---	---	---	---
Fayette	---	---	---	---	---	---	---	---
Fleming	---	---	50	---	---	10	20	80
Floyd	3,000	---	---	2,100	---	---	1,200	6,300

Table 23. -- Status of land disturbed by surface mining in Kentucky as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Franklin	---	---	---	---	---	---	---	---
Fulton	---	---	---	---	100	100	---	200
Gallatin	---	50	---	---	40	---	---	90
Garrard	---	---	---	---	---	10	2	12
Grant	---	---	---	---	---	---	---	---
Graves	---	74	126	---	---	---	108	308
Grayson	10	5	---	15	5	---	65	100
Green	---	---	---	---	---	---	50	50
Greenup	200	---	100	500	---	50	200	1,050
Hancock	600	100	40	75	---	20	340	1,175
Hardin	---	---	225	---	---	---	---	225
Harlan	8,000	---	200	5,300	---	---	6,836	20,336
Harrison	---	---	---	---	52	---	---	52
Hart	---	---	---	---	---	---	---	---
Henderson	---	---	---	---	---	---	---	---
Henry	---	---	---	---	---	---	---	---
Hickman	---	9	---	---	9	---	2	20
Hopkins	1,350	---	1,165	8,890	---	---	14,490	25,895
Jackson	125	---	10	1,445	25	75	100	1,780
Jefferson	---	---	20	---	---	30	30	80
Jessamine	---	---	---	---	---	---	---	---
Johnson	525	---	---	7,700	---	---	875	9,100
Kenton	---	---	---	---	---	---	---	---
Knott	9,702	---	---	---	---	---	2,422	12,124
Knox	12,000	---	10	3,000	---	---	1,000	16,010
Larue	---	2	---	---	---	---	---	2
Laurel	2,377	---	---	5,000	---	---	5,000	12,377
Lawrence	350	---	---	2,500	---	---	3,100	5,950
Lee	160	---	---	849	---	---	12	1,021
Leslie	6,095	---	---	---	---	---	1,075	7,170
Letcher	3,361	4	---	9,652	---	---	1,000	14,017
Lewis	---	---	---	---	---	---	---	---
Lincoln	---	---	---	---	---	---	---	---
Livingston	---	50	50	---	100	1,050	25	1,275
Logan	---	---	---	---	---	---	---	---
Lyon	---	---	---	---	---	---	---	---

Table 23. -- Status of land disturbed by surface mining in Kentucky as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
McCracken	---	50	---	---	---	---	140	190
McCreary	1,100	---	---	200	---	---	300	1,600
McLean	150	10	---	1,790	---	---	40	1,990
Madison	---	---	---	---	---	---	---	---
Magoffin	200	---	---	4,400	---	---	1,000	5,600
Marion	---	---	---	---	30	---	40	70
Marshall	---	---	---	---	---	---	---	---
Martin	850	---	---	11,150	---	---	1,800	13,800
Mason	---	---	20	---	10	---	10	40
Meade	---	---	---	---	---	270	---	270
Menifee	8	---	10	65	---	20	55	158
Mercer	---	---	---	---	---	---	---	---
Metcalfe	---	---	---	---	---	---	---	---
Monroe	---	---	---	---	---	---	---	---
Montgomery	---	---	---	---	---	---	---	---
Morgan	200	---	---	3,000	---	---	500	3,700
Muhlenberg	9,000	60	---	6,000	123	---	35,125	50,308
Nelson	---	---	---	---	---	---	---	---
Nicholas	---	---	---	---	---	---	---	---
Ohio	5,000	100	---	3,000	---	---	24,000	32,100
Oldham	---	1	---	---	3	10	---	14
Owen	---	---	---	---	---	---	---	---
Owsley	210	---	---	1,325	---	---	215	1,750
Pendleton	---	---	---	---	---	---	---	---
Perry	15,640	---	---	---	---	---	5,210	20,850
Pike	1,500	---	---	27,318	--	---	500	29,318
Powell	---	50	328	---	15	150	268	811
Pulaski	504	---	---	626	---	---	1,192	2,322
Robertson	---	---	---	---	---	---	---	---
Rockcastle	55	50	350	583	---	---	262	1,300
Rowan	---	---	940	---	---	---	100	1,040
Russell	---	---	---	---	---	---	---	---
Scott	---	---	---	---	---	---	---	---
Shelby	---	---	---	---	---	---	15	15
Simpson	---	---	45	---	---	---	---	45
Spencer	---	---	---	---	---	---	---	---

Table 23. -- Status of land disturbed by surface mining in Kentucky as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Taylor	---	---	---	---	---	60	---	60
Todd	---	---	---	---	---	---	---	---
Trigg	---	---	---	---	25	---	15	40
Trimble	---	---	---	---	---	---	---	---
Union	604	---	129	---	---	---	275	1,008
Warren	---	---	---	---	---	---	---	---
Washington	---	---	20	---	---	---	---	20
Wayne	233	---	---	176	15	---	492	916
Webster	1,623	---	---	---	---	---	741	2,364
Whitley	5,585	---	---	15,900	---	---	11,925	33,410
Wolfe	163	---	---	795	---	---	185	1,143
Woodford	---	---	---	---	---	---	---	---
Total	101,637	980	4,712	154,218	2,299	2,780	154,495	421,121

1/Based on information from Soil Conservation Service state office

Table 24. -- Status of land disturbed by surface mining in Louisiana as of July 1, 1977, by parishes 1/

[Acres; dashes indicate none]

Parish (Equivalent to County)	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Acadia	---	---	---	---	---	---	---	---
Allen	---	216	---	---	---	---	6	222
Ascension	---	---	---	---	---	---	---	---
Assumption	---	---	---	---	---	---	---	---
Avoyelles	---	---	---	---	---	---	---	---
Beauregard	---	380	---	---	---	---	25	[illegible]
Bienville	---	225	---	---	---	---	75	[illegible]
Bossier	---	725	50	---	---	---	---	[illegible]
Caddo	---	---	---	---	---	---	50	[illegible]
Calcasieu	---	33	---	---	---	---	27	[illegible]
Caldwell	---	---	50	---	---	---	10	[illegible]
Cameron	---	36	---	---	---	---	120	[illegible]
Catahoula	---	979	---	---	---	---	---	[illegible]
Claiborne	---	200	---	---	---	---	250	[illegible]
Concordia	---	---	---	---	---	---	---	---
De Soto	---	250	---	---	---	---	350	[illegible]
East Baton Rouge	---	465	---	---	---	---	215	[illegible]
East Carroll	---	---	---	---	---	---	10	[illegible]
East Feliciana	---	720	---	---	---	---	30	[illegible]
Evangeline	---	160	---	---	---	---	[illegible]	[illegible]
Franklin	---	---	---	---	---	---	---	---
Grant	---	300	10	---	---	---	50	[illegible]
Iberia	---	---	---	---	---	---	---	---
Iberville	---	---	---	---	---	---	---	---
Jackson	---	25	---	---	---	---	285	[illegible]
Jefferson	---	---	---	---	---	---	---	---
Jefferson Davis	---	1,055	---	---	---	---	---	[illegible]
Lafayette	---	---	---	---	---	---	10	[illegible]
Lafourche	---	---	---	---	---	---	10	[illegible]
La Salle	---	1,300	---	---	---	---	200	[illegible]
Lincoln	---	95	105	---	---	---	125	[illegible]
Livingston	---	1,100	---	---	---	---	175	[illegible]
Madison	---	45	---	---	---	---	50	[illegible]
Morehouse	---	10	---	---	---	---	341	[illegible]
Natchitoches	---	40	---	---	---	---	40	[illegible]
Orleans	---	---	---	---	---	---	--	[illegible]

Table 24. -- Status of land disturbed by surface mining in Louisiana as of July 1, 1977, by parishes (continued) 1/

[Acres; dashes indicate none]

Parish (Equivalent to County)	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Ouachita	---	2,000	1,000	---	---	---	1,900	4,900
Plaquemines	---	---	---	---	---	---	---	---
Pointe Coupee	---	---	---	---	---	---	---	---
Rapides	---	7,683	518	---	---	---	2,173	10,374
Red River	---	200	---	---	---	---	140	340
Richland	---	---	---	---	---	---	---	---
Sabine	---	75	---	---	---	---	100	175
St. Bernard	---	---	---	---	---	---	---	---
St. Charles	---	---	---	---	---	---	---	---
St. Helena	---	4,700	120	---	---	---	320	5,140
St. James	---	---	---	---	---	---	---	---
St. John the Baptist	---	---	---	---	---	---	---	---
St. Landry	---	20	---	---	---	---	---	20
St. Martin	---	---	---	---	---	---	---	---
St. Mary	---	---	100	---	---	---	35	135
St. Tammany	---	---	---	---	---	---	860	860
Tangipahoa	---	8,960	500	---	---	---	1,060	10,520
Tensas	---	---	---	---	---	---	---	---
Terrebonne	---	---	---	---	---	---	---	---
Union	---	500	---	---	---	---	600	1,100
Vermilion	---	41	---	---	---	---	---	41
Vernon	---	20	---	---	---	---	20	40
Washington	---	400	---	---	---	---	500	900
Webster	---	3,961	---	---	---	---	---	3,961
West Baton Rouge	---	---	96	---	---	---	---	96
West Carroll	---	---	---	---	---	---	---	---
West Feliciana	---	380	---	---	---	---	20	400
Winn	---	25	---	---	---	---	285	310
Total	---	37,324	2,549	---	---	---	10,467	50,340

1/Based on information from Soil Conservation Service state office

Table 25. -- Status of land disturbed by surface mining in Maine as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Androscoggin	---	600	250	---	760	650	250	2,510
Aroostook	---	1,706	56	---	220	38	628	2,648
Cumberland	---	2,500	---	---	220	---	500	3,220
Franklin	---	525	100	---	25	---	625	1,275
Hancock	---	820	70	---	---	10	50	950
Kennebec	---	3,652	100	---	---	---	2,000	5,752
Knox	---	3,605	625	---	58	---	46	4,334
Lincoln	---	4,120	67	---	26	---	16	4,229
Oxford	---	1,000	300	---	50	---	100	1,450
Penobscot	---	3,380	---	---	500	---	50	3,930
Piscataquis	---	700	25	---	---	---	9	734
Sagadahoc	---	200	200	---	300	200	200	1,100
Somerset	---	1,175	100	---	100	25	1,200	2,600
Waldo	---	990	30	---	10	---	1,020	2,050
Washington	---	760	52	---	24	---	---	836
York	---	3,100	100	---	---	---	100	3,300
Total	---	28,833	2,075	---	2,293	923	6,794	40,918

1/Based on information from Soil Conservation Service state office

Table 26. -- Status of land disturbed by surface mining in Maryland as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Allegany	2,344	30	120	2,811	30	---	1,150	6,485
Anne Arundel	---	1,399	---	---	1,409	---	1,932	4,740
Baltimore	---	898	300	---	1,500	502	1,128	4,328
Calvert	---	400	---	---	600	100	50	1,150
Caroline	---	360	---	---	30	---	40	430
Carroll	---	---	---	---	---	64	190	254
Cecil	---	---	---	---	1,750	355	1,125	3,230
Charles	---	1,352	---	---	1,213	---	---	2,565
Dorchester	---	50	---	---	---	---	265	315
Frederick	---	---	---	---	---	100	1,268	1,368
Garrett	4,068	40	205	2,892	29	70	2,683	9,987
Harford	---	391	86	---	---	---	2,683	3,160
Howard	---	---	---	---	---	39	1,960	1,999
Kent	---	34	---	---	---	---	78	112
Montgomery	---	160	40	---	236	284	270	990
Prince Georges	---	1,000	---	---	1,953	70	2,250	5,273
Queen Annes	---	171	---	---	129	---	57	357
St. Marys	---	155	---	---	165	---	260	580
Somerset	---	---	---	---	350	---	100	450
Talbot	---	148	---	---	---	---	634	782
Washington	---	---	430	---	---	150	---	580
Wicomico	---	36	---	---	231	---	1,156	1,423
Worcester	---	806	---	---	116	---	545	1,467
Total	6,412	7,430	1,181	5,703	9,741	1,734	19,824	52,025

1/Based on information from Soil Conservation Service state office

Table 27. -- Status of land disturbed by surface mining in Massachusetts as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Barnstable	---	2,000	1,200	---	---	---	25	3,225
Berkshire	---	1,860	359	---	---	---	200	2,419
Bristol	---	6,500	2,000	---	---	---	75	8,575
Dukes	---	75	121	---	---	---	---	196
Essex	---	2,650	900	---	---	---	2,300	5,850
Franklin	---	600	100	---	--	---	1,700	2,400
Hampden	---	1,700	100	---	---	---	1,500	3,300
Hampshire	---	450	50	---	---	---	1,000	1,500
Middlesex	---	3,900	2,340	---	---	---	1,500	7,740
Nantucket	---	65	60	---	---	---	---	125
Norfolk	---	2,800	2,100	---	---	---	1,950	6,850
Plymouth	---	2,000	1,000	---	---	---	500	3,500
Suffolk	---	---	---	---	---	---	---	---
Worcester	---	7,441	---	---	---	---	1,000	8,441
Total	---	32,041	10,330	---	---	---	11,750	54,121

1/Based on information from Soil Conservation Service state office

Table 28. -- Status of land disturbed by surface mining in Michigan as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Alcona	---	420	---	---	---	---	140	560
Alger	---	150	---	---	---	---	---	150
Allegan	---	125	15	---	---	---	120	260
Alpena	---	40	20	---	---	---	900	960
Antrim	---	400	120	---	---	---	160	680
Arenac	---	85	---	---	415	---	45	545
Baraga	---	75	---	---	---	---	---	75
Barry	---	900	50	---	800	75	150	1,975
Bay	---	120	---	---	---	---	---	120
Benzie	---	20	---	---	---	---	5	25
Berrien	---	1,200	---	---	600	---	50	1,850
Branch	---	80	10	---	---	---	220	310
Calhoun	---	290	---	---	---	---	60	350
Cass	---	85	---	---	---	---	40	125
Charlevoix	---	1,000	500	---	---	---	---	1,500
Cheboygan	---	350	60	---	---	---	338	748
Chippewa	---	730	500	---	---	---	100	1,330
Clare	---	1,080	---	---	---	---	280	1,360
Clinton	---	1,290	---	---	1,290	---	---	2,580
Crawford	---	87	---	---	6	---	20	113
Delta	---	116	---	---	---	---	280	396
Dickinson	---	200	5,000	---	---	---	40	5,240
Eaton	---	5,200	300	---	200	300	500	6,500
Emmet	---	1,000	500	---	---	---	---	1,500
Genesee	---	160	---	---	20	---	350	530
Gladwin	---	245	---	---	---	---	---	245
Gogebic	---	20	120	---	---	---	45	185
Grand Traverse	---	52	---	---	---	---	---	52
Gratiot	---	713	---	---	---	---	462	1,175
Hillsdale	---	20	---	---	420	---	420	860
Houghton	---	100	700	---	---	---	50	850
Huron	---	1,000	700	---	---	---	40	1,740
Ingham	15	275	10	---	---	---	270	570
Ionia	---	100	---	---	150	---	100	350
Iosco	---	250	2,025	---	---	---	460	2,735
Iron	---	440	40	---	100	---	140	720

Table 28. -- Status of land disturbed by surface mining in Michigan as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Isabelle	---	30	---	---	---	---	100	130
Jackson	2	1,200	100	---	---	---	885	2,187
Kalamazoo	---	700	---	---	---	---	150	850
Kalkaska	---	280	100	---	---	---	100	480
Kent	---	320	---	---	140	---	2,404	2,864
Keweenaw	---	50	150	---	---	---	25	225
Lake	---	260	---	---	56	---	20	336
Lapeer	---	---	---	---	---	---	1,000	1,000
Leelanau	---	100	---	---	---	---	45	145
Lenawee	---	---	12	---	---	---	324	336
Livingston	---	292	---	---	3,000	---	500	3,792
Luce	---	---	---	---	90	---	10	100
Mackinac	---	---	1,100	---	60	---	---	1,160
Macomb	---	220	---	---	1,620	---	200	2,040
Manistee	---	205	---	---	90	---	65	360
Marquette	---	700	5,000	---	---	---	6,000	11,700
Mason	---	220	200	---	450	---	230	1,100
Mecosta	---	1,000	---	---	---	---	---	1,000
Menominee	---	---	---	---	---	---	---	---
Midland	---	---	---	---	---	---	---	---
Missaukee	---	40	---	---	160	---	700	900
Monroe	---	200	400	---	160	2,867	1,200	4,827
Montcalm	---	830	---	---	---	---	60	890
Montmorency	---	40	---	---	---	---	20	60
Muskegon	---	160	100	---	---	---	50	310
Newaygo	---	520	---	---	50	---	40	610
Oakland	---	1,500	---	---	3,580	---	640	5,720
Oceana	---	245	---	---	5	---	125	375
Ogemaw	---	756	---	---	---	---	250	1,006
Ontonagon	---	85	---	---	---	---	15	100
Osceola	---	140	20	---	225	80	80	545
Oscoda	---	150	---	---	---	---	50	200
Ostego	---	190	400	---	80	---	205	875
Ottawa	---	2,000	---	---	---	---	---	2,000
Presque Isle	---	210	2,900	---	---	---	800	3,910

Table 28. -- Status of land disturbed by surface mining in Michigan as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Roscommon	---	120	---	---	15	---	37	172
Saginaw	100	600	100	---	400	100	150	1,450
St. Clair	---	600	---	---	---	---	2,000	2,600
St. Joseph	---	200	15	---	---	---	40	255
Sanilac	---	280	1,300	---	---	---	---	1,580
Schoolcraft	---	---	275	---	50	---	7	332
Shiawassee	25	655	340	---	---	---	760	1,780
Tuscola	---	4,000	200	---	---	---	1,200	5,400
Van Buren	---	360	---	---	---	---	---	360
Washtenaw	---	1,160	---	---	240	---	---	1,400
Wayne	---	238	40	---	900	650	278	2,106
Wexford	---	150	---	---	290	---	1,050	1,490
Total	142	39,424	23,422	---	15,662	4,072	27,600	110,322

1/Based on information from Soil Conservation Service state office

Table 29. -- Status of land disturbed by surface mining in Minnesota as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Aitkin	---	---	---	---	1,000	100	1,000	2,100
Anoka	---	125	50	---	---	---	550	725
Becker	---	888	---	---	2	---	100	990
Beltrami	---	---	---	---	150	---	40	190
Benton	---	100	50	---	---	---	100	250
Big Stone	---	225	60	---	---	---	120	405
Blue Earth	---	470	160	---	---	---	---	630
Brown	---	88	---	---	378	---	40	506
Carlton	---	473	---	---	---	---	659	1,132
Carver	---	283	---	---	---	---	61	344
Cass	---	98	---	---	---	---	152	250
Chippewa	---	205	---	---	---	---	15	220
Chisago	---	100	---	---	---	---	25	125
Clay	---	2,200	---	---	---	---	2,700	4,900
Clearwater	---	---	---	---	200	---	50	250
Cook	---	100	---	---	---	---	60	160
Cottonwood	---	20	---	---	70	---	110	200
Crow Wing	---	1,100	---	---	800	---	3,800	5,700
Dakota	---	150	---	---	250	---	---	400
Dodge	---	20	---	---	---	---	166	186
Douglas	---	100	---	---	---	---	---	100
Faribault	---	234	---	---	---	---	60	294
Fillmore	---	200	7,000	---	80	---	1,000	8,280
Freeborn	---	3,600	---	---	---	---	200	3,800
Goodhue	---	---	100	---	40	260	100	500
Grant	---	1,400	---	---	---	---	10	1,410
Hennepin	---	300	---	---	1,500	---	200	2,000
Houston	---	---	285	---	120	975	---	1,380
Hubbard	---	10	---	---	---	---	10	20
Isanti	---	900	---	---	---	---	---	900
Itasca	---	300	9,300	---	---	---	19,400	29,000
Jackson	---	68	---	---	50	---	60	178
Kanabec	---	90	10	---	---	---	57	157
Kandiyohi	---	488	---	---	---	---	77	565
Kittson	---	1,160	---	---	---	---	160	1,320
Koochiching	---	805	---	---	---	---	50	855

Table 29. -- Status of land disturbed by surface mining in Minnesota as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Lac qui Parle	---	300	---	---	175	25	40	540
Lake	---	140	---	---	---	---	100	240
Lake of the Woods	---	100	---	---	---	---	50	150
Le Sueur	---	240	25	---	---	---	---	265
Lincoln	---	82	---	---	43	---	170	295
Lyon	---	---	---	---	1,093	---	83	1,176
McLeod	---	160	---	---	800	---	200	1,160
Mahnomen	---	10	--	---	10	---	5	25
Marshall	---	244	---	---	345	---	352	941
Martin	---	400	---	---	---	---	100	500
Meeker	---	40	---	---	10	---	10	60
Mille Lacs	---	72	12	---	---	---	38	122
Morrison	---	500	---	---	---	---	1,500	2,000
Mower	---	40	986	---	---	---	40	1,066
Murray	---	275	---	---	490	---	275	1,040
Nicollet	---	60	---	---	30	---	50	140
Nobles	---	390	---	---	135	---	269	794
Norman	---	121	---	---	444	---	200	765
Olmsted	---	100	300	---	225	75	600	1,300
Otter Tail	---	169	---	---	---	---	110	279
Pennington	---	75	---	---	---	---	25	100
Pine	---	170	---	---	---	---	40	210
Pipestone	---	250	---	---	---	---	8	258
Polk	---	200	---	---	495	---	1,860	2,555
Pope	---	100	---	---	---	---	25	125
Ramsey	---	341	148	---	---	---	113	602
Red Lake	--	50	---	---	---	---	20	70
Redwood	---	180	---	---	---	---	20	200
Renville	---	525	20	---	---	---	--	545
Rice	---	1,500	---	---	---	---	200	1,700
Rock	---	354	49	---	165	---	362	930
Roseau	---	50	---	---	---	---	25	75
St. Louis	---	200	26,000	---	1,240	6,400	26,120	59,960
Scott	---	274	63	---	28	1	90	456
Sherburne	---	200	---	---	1,100	---	200	1,500
Sibley	---	---	---	---	---	---	62	62

Table 29. -- Status of land disturbed by surface mining in Minnesota as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Stearns	---	300	100	---	---	---	100	500
Steele	---	783	40	---	---	---	217	1,040
Stevens	---	153	---	---	---	---	106	259
Swift	---	300	---	---	200	---	150	650
Todd	---	146	---	---	---	---	150	296
Traverse	---	112	---	---	---	---	185	297
Wabasha	---	126	19	---	---	---	161	306
Wadena	---	60	---	---	---	--	6	66
Waseca	---	14	1	---	10	---	20	45
Washington	---	---	---	---	260	25	170	455
Watonwan	---	900	---	---	300	---	500	1,700
Wilkin	---	1,060	---	---	--	---	50	1,110
Winona	---	1	23	---	6	30	110	170
Wright	---	1,800	---	---	200	---	200	2,200
Yellow Medicine	---	80	---	---	---	---	300	380
Total	---	30,047	44,801	---	12,444	7,891	66,919	162,102

1/Based on information from Soil Conservation Service state office

Table 30. -- Status of land disturbed by surface mining in Mississippi as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	600	---	---	---	---	60	660
Alcorn	---	20	35	---	---	---	10	65
Amite	---	325	---	---	---	---	15	340
Attala	---	10	30	---	---	---	---	40
Benton	---	22	---	---	---	---	---	22
Bolivar	---	12	---	---	---	---	---	12
Calhoun	---	55	---	---	---	---	92	147
Carroll	---	1,820	60	---	---	---	885	2,765
Chickasaw	---	100	---	---	---	---	3	103
Choctaw	---	28	---	---	---	---	---	28
Claiborne	---	200	---	---	---	---	50	250
Clarke	---	390	25	---	---	---	200	615
Clay	---	403	98	---	---	---	38	539
Coahoma	---	43	---	---	---	---	---	43
Copiah	---	3,200	---	---	---	---	550	3,750
Covington	---	180	100	---	---	---	425	705
De Soto	---	1,178	---	---	---	---	3,215	4,393
Forrest	---	850	350	---	---	---	200	1,400
Franklin	---	238	24	---	---	---	57	319
George	---	155	23	---	---	---	50	228
Greene	---	105	25	---	---	---	28	158
Grenada	---	604	---	---	---	---	318	922
Hancock	---	160	10	---	---	---	100	270
Harrison	---	600	400	---	---	---	---	1,000
Hinds	---	1,400	850	---	---	---	150	2,400
Holmes	---	1,900	130	---	---	---	400	2,430
Humphreys	---	---	180	---	---	---	20	200
Issaquena	---	---	2	---	---	---	2	4
Itawamba	---	1,470	680	---	---	---	200	2,350
Jackson	---	375	75	---	---	---	---	450
Jasper	---	90	---	---	---	---	20	110
Jefferson	---	8	---	---	---	---	10	18
Jefferson Davis	---	550	20	---	---	---	175	745
Jones	---	201	---	---	---	---	20	221
Kemper	---	---	245	---	---	---	---	245
Lafayette	---	33	---	---	---	---	---	33

Table 30. -- Status of land disturbed by surface mining in Mississippi as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Lamar	---	1,800	180	---	---	---	600	2,580
Lauderdale	---	350	200	---	---	---	100	650
Lawrence	---	240	---	---	---	---	---	240
Leake	---	80	---	---	---	---	80	160
Lee	---	150	90	---	---	---	20	260
Leflore	---	---	---	---	---	---	---	---
Lincoln	---	1,590	---	---	---	---	300	1,890
Lowndes	---	5,475	373	---	---	---	3,000	8,848
Madison	---	70	---	---	---	---	---	70
Marion	---	440	---	---	---	---	30	470
Marshall	---	200	225	---	---	---	---	425
Monroe	---	3,923	681	---	---	---	440	5,044
Montgomery	---	83	2	---	---	---	104	189
Neshoba	---	100	---	---	---	---	15	115
Newton	---	175	---	---	---	---	175	350
Noxubee	---	15	325	---	---	---	---	340
Oktibbeha	---	80	30	---	---	---	40	150
Panola	---	3,660	425	---	---	---	413	4,498
Pearl River	---	189	3	---	---	---	---	192
Perry	---	800	---	---	---	---	300	1,100
Pike	---	335	---	---	---	---	125	460
Pontotoc	---	88	15	---	---	---	35	138
Prentiss	---	75	---	---	---	---	150	225
Quitman	---	---	---	---	---	---	---	---
Rankin	---	1,000	250	---	---	---	400	1,650
Scott	---	205	5	---	---	---	15	225
Sharkey	---	15	15	---	---	---	25	55
Simpson	---	180	---	---	---	---	---	180
Smith	---	260	760	---	---	---	143	1,163
Stone	---	1,000	---	---	---	---	20	1,020
Sunflower	---	---	---	---	---	---	---	---
Tallahatchie	---	261	---	---	---	---	---	261
Tate	---	400	---	---	---	---	50	450
Tippah	---	100	200	---	---	---	25	325
Tishomingo	---	500	---	---	---	---	---	500
Tunica	---	8	---	---	---	---	8	16

Table 30. -- Status of land disturbed by surface mining in Mississippi as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Union	---	98	---	---	---	---	60	158
Walthall	---	637	---	---	---	---	---	637
Warren	---	695	30	---	---	---	30	755
Washington	---	320	---	---	---	---	---	320
Wayne	---	400	300	---	---	---	---	700
Webster	---	19	---	---	---	---	4	23
Wilkinson	---	200	---	---	---	---	20	220
Winston	---	25	350	---	---	---	25	400
Yalobusha	---	910	---	---	---	---	210	1,120
Yazoo	---	1,490	---	---	---	---	160	1,650
Total	---	45,966	7,821	---	---	---	14,415	68,202

1/Based on information from Soil Conservation Service state office

Table 31. -- Status of land disturbed by surface mining in Missouri as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adair	750	250	---	---	---	36	---	1,036
Andrew	---	---	7	---	4	49	---	60
Atchison	1	7	1	---	---	---	---	9
Audrain	---	---	325	---	2	87	1	415
Barry	---	---	---	---	---	10	---	10
Barton	12,000	---	10	931	---	9	1,045	13,995
Bates	9,498	---	174	1,622	---	77	770	12,141
Benton	100	---	350	---	---	---	---	450
Bollinger	---	---	---	---	---	---	---	---
Boone	5,491	100	120	--	---	45	571	6,327
Buchanan	---	40	---	---	140	14	40	234
Butler	---	135	---	---	---	---	25	160
Caldwell	5	---	35	---	---	33	5	78
Callaway	2,000	60	1,840	---	---	83	84	4,067
Camden	---	40	---	---	22	---	---	62
Cape Girardeau	---	---	100	---	---	---	100	200
Carroll	---	---	10	---	12	---	---	22
Carter	---	---	---	---	---	---	---	---
Cass	10	---	220	---	---	600	---	830
Cedar	6	---	---	---	---	8	6	20
Chariton	---	---	---	---	---	29	9	38
Christian	---	50	266	---	---	4	164	484
Clark	15	15	---	---	30	5	15	80
Clay	3	---	25	---	11	10	---	49
Clinton	---	150	---	---	75	32	150	407
Cole	---	---	7	---	2	12	---	21
Cooper	2	---	167	---	---	10	2	181
Crawford	---	---	80	---	9	10	3	102
Dade	250	60	---	---	---	5	---	315
Dallas	---	---	5	---	---	2	10	17
Daviess	---	---	---	---	10	30	---	40
De Kalb	---	---	---	---	---	23	---	23
Dent	---	---	60	---	---	---	---	60
Douglas	---	2	6	---	6	---	---	14
Dunklin	---	250	---	---	1	---	---	251
Franklin	---	300	325	---	6	33	5	669

Table 31. -- Status of land disturbed by surface mining in Missouri as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Gosconade	---	---	1,000	---	---	106	37	1,143
Gentry	---	---	---	---	15	19	---	34
Greene	---	---	79	---	---	26	11	116
Grundy	---	---	---	---	2	13	---	15
Harrison	80	340	---	---	40	8	---	468
Henry	16,193	---	316	3,415	---	37	5,292	25,253
Hickory	---	---	4	---	---	1	16	21
Holt	---	---	---	---	40	50	---	90
Howard	500	---	---	210	---	30	80	820
Howell	---	---	150	---	2	11	---	163
Iron	---	---	---	---	---	850	250	1,100
Jackson	---	---	90	---	105	940	95	1,230
Jasper	50	---	7,950	---	---	22	---	8,022
Jefferson	---	200	300	---	---	109	---	609
Johnson	5,400	100	---	---	---	22	2	5,524
Knox	---	---	---	---	---	38	50	88
Laclede	---	40	---	---	---	23	---	63
Lafayette	---	---	---	---	---	3	1	4
Lawrence	---	---	150	---	---	8	40	198
Lewis	---	430	80	---	200	200	160	1,070
Lincoln	---	80	400	---	---	12	2	494
Linn	188	---	---	---	7	---	---	195
Livingston	---	100	100	---	---	12	300	512
McDonald	---	---	---	---	---	---	---	---
Macon	4,208	---	3	931	---	---	564	5,706
Madison	---	---	6,000	---	---	1	---	6,001
Maries	---	40	230	---	--	19	6	295
Marion	---	---	37	---	---	6	---	43
Mercer	---	---	50	---	---	180	---	230
Miller	---	40	---	---	10	11	---	61
Mississippi	---	---	---	---	---	---	---	---
Moniteau	---	---	20	---	---	4	100	124
Monroe	40	76	80	---	4	18	40	258
Montgomery	30	---	1,000	---	---	112	26	1,168
Morgan	---	---	8	---	---	---	208	216
New Madrid	---	---	---	---	---	---	---	---

Table 31. -- Status of land disturbed by surface mining in Missouri as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Newton	---	---	800	---	---	2	300	1,102
Nodaway	---	---	---	---	---	28	20	48
Oregon	---	---	---	---	---	---	20	20
Osage	---	---	10	---	---	35	2	47
Ozark	---	8	24	---	22	1	---	55
Pemiscot	---	---	---	---	---	---	---	---
Perry	---	---	100	---	4	2	---	106
Pettis	---	1	1	---	---	17	1	20
Phelps	---	---	50	---	4	22	---	76
Pike	---	---	---	---	---	240	50	290
Platte	---	---	4	---	1	51	---	56
Polk	---	---	10	---	---	15	---	25
Pulaski	---	1	--	---	2	28	6	37
Putnam	1,546	---	---	727	20	25	---	2,318
Ralls	350	---	250	---	---	138	400	1,138
Randolph	3,480	---	434	545	---	22	4,706	9,187
Ray	---	---	200	---	---	41	80	321
Reynolds	---	---	---	---	---	---	---	---
Ripley	---	---	---	---	3	---	---	3
St. Charles	---	---	---	---	10	41	302	353
St. Clair	5,214	100	---	---	---	7	160	5,481
St. Francois	---	---	1,689	---	---	21	630	2,340
Ste. Genevieve	---	75	75	---	3	11	---	164
St. Louis	---	---	1,000	---	75	124	20	1,219
Saline	28	388	8	---	---	36	18	478
Schuyler	50	---	---	---	---	---	---	50
Scotland	---	20	---	--	---	5	---	25
Scott	---	---	---	---	5	23	11	39
Shannon	---	40	85	---	80	5	70	280
Shelby	---	---	---	---	---	10	---	10
Stoddard	---	300	---	---	57	5	524	886
Stone	---	---	10	---	---	--	10	20
Sullivan	---	---	120	---	---	6	40	166
Taney	---	60	60	---	---	7	120	247
Texas	---	---	110	---	5	4	---	119
Vernon	3,200	250	300	391	---	25	3,968	8,134

Table 31. -- Status of land disturbed by surface mining in Missouri as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Warren	---	---	110	---	---	40	143	293
Washington	---	250	312	---	---	843	---	1,405
Wayne	---	60	---	---	---	8	---	68
Webster	---	15	---	---	---	7	---	22
Worth	---	---	245	---	---	4	165	414
Wright	---	---	---	---	---	9	---	9
Total	70,688	4,473	28,187	8,772	1,046	6,055	22,051	141,272

1/Based on information from Soil Conservation Service state office

Table 32.-- Status of land disturbed by surface mining in Montana as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Beaverhead	---	10	750	---	50	270	40	1,120
Big Horn	4	71	18	1,155	64	60	1,243	2,615
Blaine	---	---	1	---	---	---	---	1
Broadwater	---	7	120	---	---	4	52	183
Carbon	40	15	---	---	15	100	20	190
Carter	---	25	320	---	50	320	20	735
Cascade	500	50	25	---	200	50	10	835
Chouteau	---	---	---	---	---	---	---	---
Custer	---	---	---	---	50	---	64	114
Daniels	20	100	---	---	50	---	---	170
Dawson	48	4	4	---	139	---	50	245
Deer Lodge	---	3	---	---	4	630	10	647
Fallon	10	10	---	---	80	---	7	107
Fergus	16	59	61	3	26	13	19	197
Flathead	---	100	---	---	200	100	50	450
Gallatin	---	345	124	---	168	6	35	678
Garfield	5	15	---	1	25	---	15	61
Glacier	---	33	---	---	85	---	35	153
Golden Valley	---	---	---	---	15	30	20	65
Granite	---	13	727	---	12	138	281	1,171
Hill	1	20	---	---	50	---	30	101
Jefferson	---	14	695	---	15	304	39	1,067
Judith Basin	500	---	500	---	200	---	2,000	3,200
Lake	---	---	---	---	125	---	375	500
Lewis and Clark	---	260	1,625	---	280	150	1,500	3,815
Liberty	---	15	---	---	22	---	32	69
Lincoln	---	100	200	---	300	400	650	1,650
McCone	---	30	---	---	10	---	20	60
Madison	40	20	8,000	---	50	1,000	2,000	11,110
Meagher	---	103	301	---	30	130	325	889
Mineral	30	230	250	---	480	35	335	1,360
Missoula	150	650	230	---	475	170	675	2,350
Musselshell	50	---	---	45	30	25	23	173
Park	---	15	70	---	2	5	---	92
Petroleum	---	---	---	---	---	---	---	---
Phillips	---	700	1,400	---	100	600	50	2,850

Table 32. -- Status of land disturbed by surface mining in Montana as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Pondera	---	30	---	---	---	---	---	30
Powder River	25	50	150	10	50	100	50	435
Powell	---	1	---	---	---	---	40	41
Prairie	---	---	---	---	---	---	---	---
Ravalli	---	175	820	10	60	220	300	1,585
Richland	136	148	2	20	19	---	136	461
Roosevelt	---	50	10	---	100	---	50	210
Rosebud	375	60	---	3,522	120	137	784	4,998
Sanders	---	123	4	---	70	9	35	241
Sheridan	---	---	---	---	---	---	---	---
Silver Bow	---	33	1,591	---	7	980	---	2,611
Stillwater	---	12	22	---	8	16	48	106
Sweet Grass	---	20	---	---	---	---	20	40
Teton	---	25	---	---	45	---	30	100
Toole	---	620	320	---	340	10	705	1,995
Treasure	--	40	---	---	10	386	---	436
Valley	---	50	---	---	120	200	5	375
Wheatland	---	---	---	---	10	---	---	10
Wibaux	5	101	---	---	31	---	200	337
Yellowstone	---	100	---	---	100	---	100	300
Total	1,955	4,655	18,340	4,766	4,492	6,598	12,528	53,374

1/Based on information from Soil Conservation Service state office

Table 33. -- Status of land disturbed by surface mining in Nebraska as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	123	---	---	---	---	35	158
Antelope	---	187	---	---	---	---	53	240
Arthur	---	---	---	---	---	---	---	---
Banner	---	50	--	---	---	---	13	63
Blaine	---	20	---	---	---	---	---	20
Boone	---	65	---	---	---	---	31	96
Box Butte	---	---	6	--	---	---	15	21
Boyd	---	42	---	---	---	---	1	43
Brown	---	175	2	---	---	---	78	255
Buffalo	---	868	---	---	---	---	532	1,400
Burt	---	20	6	---	---	---	19	45
Butler	---	202	---	---	---	---	63	265
Cass	---	276	2,066	---	---	---	615	2,957
Cedar	---	176	---	---	---	---	137	313
Chase	---	74	8	---	---	---	32	114
Cherry	---	27	11	---	---	---	7	45
Cheyenne	---	311	---	---	---	---	208	519
Clay	---	72	---	---	---	---	2	74
Colfax	---	104	---	---	---	---	268	372
Cuming	---	227	---	---	---	---	255	482
Custer	---	199	7	---	---	---	---	206
Dakota	---	84	9	---	---	---	94	187
Dawes	---	100	---	---	---	---	---	100
Dawson	---	869	---	---	---	---	742	1,611
Deuel	---	157	---	---	---	---	31	188
Dixon	---	58	20	---	---	---	2	80
Dodge	---	369	---	---	---	---	1,371	1,740
Douglas	---	512	---	---	---	---	535	1,047
Dundy	---	52	---	---	---	---	4	56
Fillmore	---	109	---	---	---	---	30	139
Franklin	---	267	67	---	---	---	---	334
Frontier	---	12	33	---	---	---	5	50
Furnas	---	199	28	---	---	---	6	233
Gage	---	386	113	---	---	---	138	637
Garden	---	59	---	---	---	---	13	72
Garfield	---	11	---	---	---	---	24	35

Table 33. -- Status of land disturbed by surface mining in Nebraska as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Gosper	---	1	3	---	---	---	119	123
Grant	---	---	---	---	---	---	---	---
Greeley	---	15	---	---	---	---	5	20
Hall	---	1,320	---	---	---	---	525	1,845
Hamilton	---	163	---	---	---	---	71	234
Harlan	---	76	26	---	---	---	27	129
Hayes	---	49	---	---	---	---	41	90
Hitchcock	---	135	2	---	---	---	---	137
Holt	---	494	9	---	---	---	123	626
Hooker	---	17	---	---	---	---	41	58
Howard	---	82	---	---	---	---	67	149
Jefferson	---	176	72	---	---	---	26	274
Johnson	---	18	11	---	---	---	1	30
Kearney	---	154	---	---	---	---	48	202
Keith	---	882	---	---	---	---	13	895
Keya Paha	---	75	64	---	---	---	15	154
Kimball	---	154	---	---	---	---	76	230
Knox	---	428	---	---	---	---	68	496
Lancaster	---	46	239	---	---	---	109	394
Lincoln	---	976	17	---	---	---	600	1,593
Logan	---	3	---	---	---	---	---	3
Loup	---	65	---	---	---	---	18	83
McPherson	---	15	---	---	---	---	---	15
Madison	---	612	---	---	---	---	183	795
Merrick	---	273	---	---	---	---	310	583
Morrill	---	150	11	---	---	---	16	177
Nance	---	128	---	---	---	---	18	146
Nemaha	---	21	485	---	---	---	96	602
Nuckolls	---	217	8	---	---	---	---	225
Otoe	---	13	67	---	---	---	80	160
Pawnee	---	20	23	---	---	---	90	133
Perkins	---	59	---	---	---	---	---	59
Phelps	---	77	---	---	---	---	13	90
Pierce	---	268	---	---	---	---	37	305
Platte	---	721	---	---	---	---	343	1,064
Polk	---	241	---	---	---	---	169	410

Table 33. -- Status of land disturbed by surface mining in Nebraska as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Red Willow	---	359	2	---	---	---	171	532
Richardson	---	99	199	---	---	---	142	440
Rock	---	84	---	---	---	---	20	104
Saline	---	189	14	---	---	---	41	244
Sarpy	---	201	234	---	---	---	879	1,314
Saunders	---	496	7	---	---	---	515	1,018
Scotts Bluff	---	452	---	---	---	---	162	614
Seward	---	31	19	---	---	---	9	59
Sheridan	---	38	14	---	---	---	5	57
Sherman	---	6	---	---	---	---	---	6
Sioux	---	32	---	---	---	---	---	32
Stanton	---	80	---	---	---	---	151	231
Thayer	---	434	24	---	---	---	---	458
Thomas	---	166	---	---	---	---	34	200
Thurston	---	32	7	---	---	---	2	41
Valley	---	85	2	---	---	---	35	122
Washington	---	3	87	---	---	---	37	127
Wayne	---	---	---	---	---	---	4	4
Webster	---	213	7	---	---	---	6	226
Wheeler	---	12	---	---	---	---	---	12
York	---	351	---	---	---	---	85	436
Total	---	17,969	4,029	---	---	---	11,005	33,003

1/Based on information from Soil Conservation Service state office

Table 34. -- Status of land disturbed by surface mining in Nevada as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Carson City	---	90	30	---	---	---	---	120
Churchill	---	8	4	---	---	---	50	62
Clark	---	20	10	---	---	---	---	30
Douglas	---	45	50	---	---	---	5	100
Elko	---	---	320	---	---	---	100	420
Esmeralda	---	4	16	---	---	---	3	23
Eureka	---	140	380	---	---	---	200	720
Humboldt	---	25	160	---	---	---	10	195
Lander	---	30	290	---	---	---	80	400
Lincoln	---	8	1	---	---	---	---	9
Lyon	---	18	850	---	---	---	---	868
Mineral	---	25	15	---	---	---	---	40
Nye	---	6	24	---	---	---	5	35
Pershing	---	---	---	---	---	---	500	500
Storey	---	32	285	---	---	---	---	317
Washoe	---	730	20	---	---	---	---	750
White Pine	---	40	100	---	---	---	1,000	1,140
Total	---	1,221	2,555	---	---	---	1,953	5,729

1/Based on information from Soil Conservation Service state office

Table 35. -- Status of land disturbed by surface mining in New Hampshire as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Belknap	---	1,305	---	---	---	---	---	1,305
Carroll	---	240	4	---	---	---	---	244
Cheshire	---	629	---	---	---	---	---	629
Coos	---	881	---	---	---	---	79	960
Grafton	---	1,530	82	---	---	---	393	2,005
Hillsborough	---	2,393	331	---	---	---	---	2,724
Merrimack	---	2,333	---	---	---	---	---	2,333
Rockingham	---	1,890	---	---	---	---	---	1,890
Strafford	---	474	---	---	---	---	75	549
Sullivan	---	1,050	---	---	---	---	---	1,050
Total	---	12,725	417	---	---	---	547	13,689

1/Based on information from Soil Conservation Service state office

Table 36. -- Status of land disturbed by surface mining in New Jersey as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Atlantic	---	2,500	---	---	---	---	1,200	3,700
Bergen	---	300	100	---	---	---	100	500
Burlington	---	2,000	500	---	---	---	400	2,900
Camden	---	1,500	100	---	---	---	500	2,100
Cape May	---	2,000	---	---	---	---	400	2,400
Cumberland	---	4,500	---	---	---	---	600	5,100
Essex	---	50	120	---	---	---	50	220
Gloucester	---	700	---	---	---	---	200	900
Hudson	---	---	---	---	---	---	---	---
Hunterdon	---	100	450	---	---	---	150	700
Mercer	---	300	200	---	---	---	250	750
Middlesex	---	3,000	800	---	---	---	2,000	5,800
Monmouth	---	1,100	---	---	---	---	440	1,540
Morris	---	1,000	---	---	---	---	370	1,370
Ocean	---	3,000	800	---	---	---	650	4,450
Passaic	---	670	---	---	---	---	200	870
Salem	---	990	20	---	---	---	200	1,210
Somerset	---	150	625	---	---	---	153	928
Sussex	---	370	1,225	---	---	---	200	1,795
Union	---	---	50	---	---	---	100	150
Warren	---	380	580	---	---	---	100	1,060
Total	---	24,610	5,570	---	---	---	8,263	38,443

1/Based on information from Soil Conservation Service state office

Table 37. -- Status of land disturbed by surface mining in New Mexico as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Bernalillo	---	80	40	---	---	---	---	120
Catron	---	---	---	---	---	---	---	---
Chaves	---	---	---	---	---	---	---	---
Colfax	---	50	---	60	---	---	---	110
Curry	---	---	---	---	---	---	---	---
De Baca	---	225	---	---	---	---	50	275
Dona Ana	---	---	---	---	---	---	---	--
Eddy	---	663	---	---	---	---	---	663
Grant	---	130	120	---	30	10,150	200	10,630
Guadalupe	---	450	22	---	---	---	---	472
Harding	---	250	100	---	---	---	---	350
Hidalgo	---	1	---	---	---	---	---	1
Lea	---	8,717	650	---	---	---	---	9,367
Lincoln	---	62	162	---	12	22	20	278
Los Alamos	---	---	---	---	---	---	---	---
Luna	---	---	---	---	640	---	---	640
McKinley	---	20	---	150	10	65	---	245
Mora	---	---	---	---	---	---	---	---
Otero	---	50	---	---	150	---	75	275
Quay	---	80	50	---	10	10	10	160
Reserve	---	---	---	---	---	---	---	---
Rio Arriba	20	39	---	---	---	---	---	59
Roosevelt	---	---	---	---	---	---	15	15
Sandoval	---	100	20	---	---	500	---	620
San Juan	---	50	---	3,499	50	25	1,252	4,876
San Miguel	---	75	---	---	---	---	25	100
Santa Fe	---	30	10	---	---	---	---	40
Sierra	---	40	100	---	20	---	---	160
Socorro	2	140	100	---	---	---	10	252
Taos	---	98	32	---	135	3,300	---	3,565
Torrance	---	---	---	---	---	---	50	50
Union	---	200	---	---	---	---	---	200
Valencia	---	310	400	---	---	12,000	500	13,210
Total	22	11,860	1,806	3,709	1,057	26,072	2,207	46,733

1/Based on information from Soil Conservation Service state office

Table 38. -- Status of land disturbed by surface mining in New York as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Albany	---	200	800	---	500	150	150	1,800
Allegany	---	170	---	---	337	---	100	607
Bronx	---	---	---	---	---	---	---	---
Broome	---	1,500	---	---	---	---	1,000	2,500
Chattaraugus	---	2,182	50	---	550	500	---	3,282
Cayuga	---	550	650	---	4	---	450	1,654
Chautauqua	---	54	---	---	95	---	54	203
Chemung	---	---	---	---	295	12	---	307
Chenango	---	11	---	---	---	---	175	186
Clinton	---	80	---	---	300	---	50	430
Columbia	---	700	---	---	600	200	200	1,700
Cortland	---	540	---	---	---	---	---	540
Delaware	---	753	41	---	170	20	---	984
Dutchess	---	1,000	167	---	2,145	700	100	4,112
Erie	---	2,470	1,470	---	---	---	827	4,767
Essex	---	75	66	---	47	180	15	383
Franklin	---	75	20	---	80	15	60	250
Fulton	---	140	---	---	140	---	---	280
Genesee	---	520	220	---	160	80	800	1,780
Greene	---	455	700	---	24	20	600	1,799
Hamilton	---	150	---	---	175	---	---	325
Herkimer	---	100	415	---	600	50	320	1,485
Jefferson	---	300	100	---	40	10	230	680
Kings	---	---	---	---	---	---	---	---
Lewis	---	10	---	---	15	---	5	30
Livingston	---	230	---	---	500	50	1,000	1,780
Madison	---	283	200	---	10	5	75	573
Monroe	---	2,800	300	---	1,800	---	---	4,900
Montgomery	---	344	115	---	---	---	190	649
Nassau	---	---	---	---	---	---	---	---
New York	---	---	---	---	---	---	---	---
Niagara	---	115	760	---	---	---	---	875
Oneida	---	1,400	100	---	50	---	200	1,750
Onondaga	---	1,000	11,000	---	1,100	700	1,500	15,300
Ontario	---	1,268	400	---	---	---	---	1,668

Table 38. -- Status of land disturbed by surface mining in New York as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Orange	---	250	20	---	20	---	---	290
Orleans	---	165	---	---	---	---	220	385
Oswego	---	100	---	---	700	---	200	1,000
Otsego	---	50	---	---	50	---	10	110
Putnam	---	276	64	---	---	---	226	566
Queens	---	---	---	---	---	---	---	---
Rensselaer	---	1,390	37	---	40	3	---	1,470
Richmond	---	---	---	---	---	---	---	---
Rockland	---	50	---	---	100	300	50	500
St. Lawrence	---	250	300	---	750	900	600	2,800
Saratoga	---	900	50	---	400	100	800	2,250
Schenectady	---	100	---	---	296	18	---	414
Schoharie	---	---	---	---	263	120	65	448
Schuyler	---	50	---	---	100	---	---	150
Seneca	---	15	5	---	---	50	300	370
Steuben	---	375	145	---	975	525	525	2,545
Suffolk	---	2,800	---	---	800	---	2,500	6,100
Sullivan	---	---	---	---	400	100	100	600
Tioga	---	128	---	---	485	55	42	710
Tompkins	---	154	---	---	20	3	155	332
Ulster	---	1,010	180	---	300	---	3,938	5,428
Warren	---	350	30	---	150	120	70	720
Washington	---	110	460	---	3	1	---	574
Wayne	---	1,900	300	---	150	50	500	2,900
Westchester	---	839	86	---	40	---	75	1,040
Wyoming	---	180	---	---	---	---	---	180
Yates	---	---	---	---	200	---	---	200
Total	---	30,917	19,251	---	15,979	5,037	18,477	89,661

1/Based on information from Soil Conservation Service state office

Table 39. -- Status of land disturbed by surface mining in North Carolina as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Alamance	---	1	1	---	90	34	15	141
Alexander	---	5	5	---	---	5	5	20
Alleghany	---	---	---	---	16	---	---	16
Anson	---	2,514	---	---	283	---	300	3,097
Ashe	---	6	4	---	9	---	8	27
Avery	---	8	70	---	22	125	---	225
Beaufort	---	5	---	---	121	1,000	60	1,186
Bertie	---	100	---	---	29	---	50	179
Bladen	---	---	---	---	37	29	10	76
Brunswick	---	25	2	---	12	---	90	129
Buncombe	---	95	18	---	184	---	4	301
Burke	---	---	50	---	58	---	488	596
Cabarrus	---	230	55	---	158	1	15	459
Caldwell	---	---	---	---	22	---	250	272
Camden	---	10	---	---	4	---	20	34
Carteret	---	---	---	---	---	---	---	---
Caswell	---	---	---	---	47	---	25	72
Catawba	---	25	20	---	74	---	3	122
Chatham	---	50	60	---	48	131	200	489
Cherokee	---	25	---	---	57	17	17	116
Chowan	---	48	---	---	---	---	51	99
Clay	---	17	---	---	12	---	4	33
Cleveland	---	---	6	---	6	45	78	135
Columbus	---	100	50	---	16	---	150	316
Craven	---	50	---	---	224	7	50	331
Cumberland	---	540	75	---	214	5	54	888
Currituck	---	30	---	---	37	---	60	127
Dare	---	---	3	---	14	---	6	23
Davidson	---	---	60	---	53	317	82	512
Davie	---	---	---	---	36	---	---	36
Duplin	---	5	---	---	26	20	---	51
Durham	---	---	40	---	49	91	---	180
Edgecombe	---	80	---	---	187	---	408	675
Forsyth	---	---	---	---	128	---	20	148
Franklin	---	---	10	---	39	---	---	49
Gaston	---	20	10	---	57	100	---	187

Table 39. -- Status of land disturbed by surface mining in North Carolina as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Gates	---	1	---	---	2	---	---	3
Graham	---	---	2	---	---	---	3	5
Granville	---	---	10	---	38	5	30	83
Greene	---	53	15	---	---	---	100	168
Guilford	---	---	96	---	275	46	58	475
Halifax	---	375	100	---	26	12	---	513
Harnett	---	1,200	10	---	1,362	15	125	2,712
Haywood	---	28	3	---	16	---	31	78
Henderson	---	15	75	---	52	123	50	315
Hertford	---	6	---	---	55	---	12	73
Hoke	---	10	5	---	---	---	12	27
Hyde	---	---	---	---	---	---	1	1
Iredell	---	100	---	---	83	---	---	183
Jackson	---	5	15	---	19	24	---	63
Johnston	---	3,000	500	---	164	---	100	3,764
Jones	---	---	---	---	---	26	10	36
Lee	---	---	1	---	99	162	---	262
Lenoir	---	26	---	---	73	---	---	99
Lincoln	---	---	---	---	---	---	45	45
McDowell	---	50	20	---	132	---	408	610
Macon	---	23	110	---	28	63	74	298
Madison	---	---	---	---	29	---	---	29
Martin	---	50	---	---	---	---	---	50
Mecklenburg	---	40	---	---	238	---	40	318
Mitchell	---	64	1,248	---	23	157	80	1,572
Montgomery	---	175	50	---	66	62	150	503
Moore	---	886	58	---	154	132	235	1,465
Nash	---	---	67	---	81	---	45	193
New Hanover	---	100	---	---	112	409	50	671
Northampton	---	500	10	---	29	---	350	889
Onslow	---	---	---	---	60	---	9	69
Orange	---	---	5	---	29	22	7	63
Pamlico	---	---	---	---	---	---	---	---
Pasquotank	---	15	---	---	4	---	45	64
Pender	---	15	---	---	---	11	10	36
Perquimans	---	3	---	---	---	---	7	10

Table 39. -- Status of land disturbed by surface mining in North Carolina as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Person	---	---	3	---	---	---	3	6
Pitt	---	5	20	---	122	---	125	272
Polk	---	---	---	---	9	---	---	9
Randolph	---	---	35	---	43	15	332	425
Richmond	---	15	1	---	119	---	2	137
Robeson	---	---	---	---	6	---	---	6
Rockingham	---	---	---	---	69	160	15	244
Rowan	---	200	250	---	114	91	100	755
Rutherford	---	18	10	---	16	---	28	72
Sampson	---	25	15	---	38	29	50	157
Scotland	---	100	---	---	18	---	100	218
Stanly	---	---	2	---	---	168	65	235
Stokes	---	---	---	---	18	14	3	35
Surry	---	---	110	---	84	72	110	376
Swain	---	5	10	---	---	---	---	15
Transylvania	---	2	1	---	13	---	---	16
Tyrrell	---	1	---	---	---	---	1	2
Union	---	---	154	---	69	37	134	394
Vance	---	---	---	---	89	---	---	89
Wake	---	10	103	---	206	25	449	793
Warren	---	---	---	---	---	---	---	---
Washington	---	3	---	---	---	---	7	10
Watauga	---	25	15	---	15	4	200	259
Wayne	---	500	---	---	108	---	488	1,096
Wilkes	---	75	50	---	38	---	125	288
Wilson	---	70	80	---	220	---	50	420
Yadkin	---	---	5	---	26	---	3	34
Yancey	---	125	989	---	38	98	---	1,250
Total	---	11,908	4,792	---	7,096	3,909	7,000	34,705

1/Based on information from Soil Conservation Service state office

Table 40. -- Status of land disturbed by surface mining in North Dakota as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	---	---	---	---	---	950	950
Barnes	---	35	---	---	---	---	530	565
Benson	---	40	---	---	---	---	540	580
Billings	---	35	---	---	---	---	530	565
Bottineau	---	35	---	---	---	---	530	565
Bowman	---	5	---	425	---	---	760	1,190
Burke	350	20	---	1,600	---	---	2,080	4,050
Burleigh	---	80	---	---	---	---	1,075	1,155
Cass	---	40	---	---	---	---	540	580
Cavalier	---	35	---	---	---	---	540	575
Dickey	---	35	---	---	---	---	540	575
Divide	350	---	---	---	---	---	1,595	1,945
Dunn	---	35	---	---	---	---	520	555
Eddy	---	40	---	---	---	---	540	580
Emmons	---	35	---	---	---	---	530	565
Foster	---	40	---	---	---	---	540	580
Golden Valley	---	40	---	---	---	---	530	570
Grand Forks	---	35	---	---	---	---	530	565
Grant	---	40	---	---	---	---	540	580
Griggs	---	35	---	---	---	---	540	575
Hettinger	---	40	65	---	---	---	540	645
Kidder	---	40	---	---	---	---	530	570
La Moure	---	35	---	---	---	---	540	575
Logan	---	40	---	---	---	---	530	570
McHenry	---	35	---	---	---	---	530	565
McIntosh	---	40	---	---	---	---	515	555
McKenzie	---	40	---	---	---	---	540	580
McLean	---	60	---	80	---	---	1,770	1,910
Mercer	---	60	5	3,740	---	---	3,250	7,055
Morton	---	35	---	---	---	---	540	575
Mountrail	---	50	---	---	---	---	530	580
Nelson	---	35	---	---	---	---	540	575
Oliver	---	10	---	600	---	---	1,080	1,690
Pembina	---	40	---	---	---	---	530	570
Pierce	---	35	---	---	---	---	530	565
Ramsey	---	40	---	---	---	---	530	570

Table 40. -- Status of land disturbed by surface mining in North Dakota as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Ransom	---	40	---	---	---	---	540	580
Renville	---	35	---	---	---	---	540	575
Richland	---	55	---	---	---	---	530	585
Rolette	---	35	---	---	---	---	540	575
Sargent	---	40	---	---	---	---	530	570
Sheridan	---	40	---	---	---	---	540	580
Sioux	---	35	---	---	---	---	530	565
Slope	---	40	65	---	---	---	540	645
Stark	---	40	65	80	---	---	540	725
Steele	---	35	---	---	---	---	530	565
Stutsman	---	35	---	---	---	---	530	565
Towner	---	35	---	---	---	---	540	575
Traill	---	40	---	---	---	---	540	580
Walsh	---	35	---	---	---	---	530	565
Ward	350	100	---	200	---	---	2,510	3,160
Wells	---	40	---	---	---	---	540	580
Williams	---	35	---	---	---	---	540	575
Total	1,050	2,010	200	6,725	---	---	38,595	48,580

1/Based on information from Soil Conservation Service state office

Table 41. -- Status of land disturbed by surface mining in Ohio as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	---	---	---	---	---	238	238
Allen	---	80	90	---	25	433	---	628
Ashland	---	290	50	---	15	5	---	360
Ashtabula	---	35	---	---	20	---	---	55
Athens	5,554	30	---	100	533	---	322	6,539
Auglaize	---	435	20	---	20	10	480	965
Belmont	6,510	10	46	5,800	20	60	22,200	34,646
Brown	---	2	---	---	2	---	1	5
Butler	---	439	---	---	615	---	70	1,124
Carroll	5,000	75	925	848	20	200	---	7,068
Champaign	---	315	---	---	---	---	210	525
Clark	---	270	25	---	133	---	145	573
Clermont	---	960	---	---	---	---	---	960
Clinton	---	80	80	---	2	6	12	180
Columbiana	1,000	100	150	1,450	136	52	16,700	19,588
Coshocton	14,000	320	100	5,000	100	50	2,800	22,370
Crawford	---	85	450	---	---	---	---	535
Cuyahoga	---	250	50	---	200	100	200	800
Darke	---	167	---	---	81	---	856	1,104
Defiance	---	---	---	---	72	---	---	72
Delaware	---	5	430	---	---	20	10	465
Erie	---	51	2,032	---	99	943	470	3,595
Fairfield	---	80	---	---	140	---	80	300
Fayette	---	---	---	---	---	119	---	119
Franklin	---	466	82	---	2,650	1,060	256	4,514
Fulton	---	---	---	---	28	---	18	46
Gallia	1,047	5	---	6,000	2	---	---	7,054
Geauga	---	1,200	200	---	1,000	150	500	3,050
Greene	---	500	1,000	---	75	100	1,100	2,775
Guernsey	2,500	---	300	5,000	---	100	3,500	11,400
Hamilton	---	669	---	---	1,418	5	205	2,297
Hancock	---	52	87	---	---	140	440	719
Hardin	---	20	---	---	---	---	150	170
Harrison	40,000	---	25	11,067	---	3	40,000	91,095
Henry	---	---	50	---	---	---	---	50
Highland	---	35	165	---	4	35	50	289

Table 41. -- Status of land disturbed by surface mining in Ohio as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Hocking	1,249	20	40	500	5	5	603	2,422
Holmes	1,980	105	12	350	65	2	1,562	4,076
Huron	---	53	---	---	16	12	120	201
Jackson	3,325	200	200	640	20	100	1,910	6,395
Jefferson	18,000	---	---	9,705	---	---	18,000	45,705
Knox	---	42	10	---	550	5	100	707
Lake	---	400	100	---	250	50	150	950
Lawrence	3,000	70	1,300	1,800	150	250	17,000	23,570
Licking	---	84	---	---	246	---	42	372
Logan	---	342	10	---	64	26	61	503
Lorain	---	40	---	---	30	---	50	120
Lucas	---	300	120	---	120	507	200	1,247
Madison	---	150	---	---	250	---	25	425
Mahoning	1,000	20	200	600	10	20	5,000	6,850
Marion	---	10	20	---	180	320	50	580
Medina	15	75	90	---	1,200	100	150	1,630
Meigs	6,170	450	---	---	300	---	200	7,120
Mercer	---	---	---	---	4	120	---	124
Miami	---	264	376	---	46	29	100	815
Monroe	19	9	51	---	---	---	30	109
Montgomery	---	1,362	110	---	650	104	250	2,476
Morgan	10,588	86	20	3,000	30	5	300	14,029
Morrow	---	12	---	---	40	---	---	52
Muskingum	16,000	25	300	16,000	35	100	10,000	42,460
Noble	6,000	---	---	200	---	30	7,770	14,000
Ottawa	---	---	2,228	---	---	343	---	2,571
Paulding	---	---	19	---	460	10	11	500
Perry	16,000	2,000	300	2,000	500	50	10,000	30,850
Pickaway	---	---	---	---	---	---	---	---
Pike	---	50	---	---	70	40	---	160
Portage	1,023	660	112	---	106	22	125	2,048
Preble	---	500	221	---	512	96	150	1,479
Putnam	---	58	24	---	15	27	---	124
Richland	---	200	20	---	250	80	100	650
Ross	---	110	30	---	130	72	134	476
Sandusky	---	---	---	---	100	1,566	25	1,691

Table 41. -- Status of land disturbed by surface mining in Ohio as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Scioto	---	35	182	---	---	---	175	392
Seneca	---	50	1,515	---	---	---	110	1,675
Shelby	---	132	---	---	175	75	48	430
Stark	10,700	1,000	2,000	800	100	200	1,700	16,500
Summit	---	4,805	1,500	---	1,680	---	---	7,985
Trumbull	---	80	8	---	20	15	8	131
Tuscarawas	22,980	520	140	4,300	125	40	18,912	47,017
Union	---	147	77	---	---	---	---	224
Van Wert	---	---	100	---	---	130	---	230
Vinton	1,795	---	116	1,280	---	---	2,530	5,721
Warren	---	489	---	---	200	60	200	949
Washington	954	30	---	110	120	20	784	2,018
Wayne	300	50	---	500	300	150	200	1,500
Williams	---	400	25	---	125	25	400	975
Wood	---	---	300	---	---	30	200	530
Wyandot	---	160	690	---	---	---	80	930
Total	196,709	22,621	18,923	77,050	16,659	8,427	190,578	530,967

1/Based on information from Soil Conservation Service state office

Table 42. -- Status of land disturbed by surface mining in Oklahoma as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adair	---	25	---	---	---	---	---	25
Alfalfa	---	20	---	---	8	---	---	28
Atoka	110	9	---	---	100	190	---	409
Beaver	---	63	47	---	35	---	50	195
Beckham	---	---	---	---	---	---	---	---
Blaine	---	10	1,847	---	81	748	240	2,926
Bryan	---	120	---	---	30	20	120	290
Caddo	---	28	---	---	60	65	23	176
Canadian	---	5	80	---	65	50	50	250
Carter	---	200	168	---	---	---	---	368
Cherokee	---	---	--	---	---	---	---	---
Choctaw	---	540	390	---	360	80	190	1,560
Cimarron	---	---	---	---	---	---	---	---
Cleveland	---	200	---	---	10	---	---	210
Coal	1,090	---	110	---	---	---	---	1,200
Comanche	---	30	50	---	---	400	---	480
Cotton	---	20	---	---	10	---	---	30
Craig	3,779	100	---	1,000	---	---	6,000	10,879
Creek	---	20	5	---	---	410	25	460
Custer	---	65	82	---	37	40	100	324
Delaware	---	30	---	---	20	---	10	60
Dewey	---	12	---	---	---	10	12	34
Ellis	---	24	30	---	---	---	---	54
Garfield	---	18	10	---	30	36	30	124
Garvin	---	20	---	---	---	---	---	20
Grady	---	52	3	---	---	---	---	55
Grant	---	40	---	---	---	---	---	40
Greer	---	20	100	---	50	300	40	510
Harmon	---	40	---	---	---	---	---	40
Harper	---	---	---	---	10	---	---	10
Haskell	5,253	62	15	170	---	---	1,180	6,680
Hughes	---	25	---	---	---	---	---	25
Jackson	---	---	---	---	---	540	---	540
Jefferson	---	2	---	---	---	---	10	12
Johnston	---	200	110	---	---	---	---	310
Kay	---	---	---	---	---	80	---	80

Table 42. -- Status of land disturbed by surface mining in Oklahoma as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Kingfisher	---	100	---	---	---	---	---	100
Kiowa	---	729	400	---	---	---	---	1,129
Latimer	772	50	---	100	---	---	302	1,224
Le Flore	1,286	150	---	400	10	---	200	2,046
Lincoln	---	---	---	---	---	---	57	57
Logan	---	---	---	---	---	---	---	---
Love	---	---	200	---	---	---	---	200
McClain	---	488	---	---	305	---	---	793
McCurtain	---	230	---	---	30	150	5	415
McIntosh	---	---	---	---	---	---	780	780
Major	---	19	18	---	---	---	87	124
Marshall	---	80	---	---	---	---	---	80
Mayes	112	---	---	20	---	---	405	537
Murray	---	490	---	---	---	---	---	490
Muskogee	500	---	80	1,325	40	30	645	2,620
Noble	---	30	---	---	40	3	30	103
Nowata	147	10	---	1,848	100	---	1,683	3,788
Okfuskee	---	70	---	---	---	---	---	70
Oklahoma	---	---	---	---	60	15	20	95
Okmulgee	1,600	75	---	80	5	---	---	1,760
Osaga	---	---	150	---	---	420	---	570
Ottawa	---	70	8,400	---	30	30	120	8,650
Pawnee	---	5	40	---	5	80	---	130
Payne	---	40	90	---	60	60	---	250
Pittsburg	800	20	10	155	45	28	---	1,058
Pontotoc	---	20	---	---	42	37	---	99
Pottawatomie	---	584	---	---	300	---	---	884
Pushmataha	---	60	---	---	---	---	200	260
Roger Mills	---	---	---	---	---	---	---	---
Rogers	15,340	40	---	980	190	---	2,500	19,050
Seminole	---	15	---	---	150	175	---	340
Sequoyah	1,371	26	645	20	---	---	20	2,082
Stephens	---	200	---	---	---	---	600	800
Texas	---	---	---	---	---	---	---	---
Tillman	---	850	---	---	---	---	50	900
Tulsa	1,088	---	635	---	217	---	159	2,099

Table 42. -- Status of land disturbed by surface mining in Oklahoma as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Wagoner----------	2,870	70	---	200	10	---	100	3,250
Washington----------	---	50	350	---	87	113	---	600
Washita----------	---	---	---	---	---	---	---	---
Woods----------	---	68	40	---	74	---	212	394
Woodward----------	---	20	---	---	60	---	---	80
Total	36,118	6,659	14,105	6,298	2,766	4,110	16,255	86,311

1/Based on information from Soil Conservation Service state office

Table 43. -- Status of land disturbed by surface mining in Oregon as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Baker	---	500	4,500	---	1,600	100	120	6,820
Benton	---	50	---	---	211	5	35	301
Clackamas	---	---	---	3	311	2	40	356
Clatsop	---	10	210	---	31	121	9	381
Columbia	---	10	---	---	373	---	10	393
Coos	---	---	50	---	160	600	100	910
Crook	---	75	---	---	55	27	---	157
Curry	---	---	---	---	75	35	30	140
Deschutes	---	54	821	---	54	161	80	1,170
Douglas	---	---	---	---	---	---	---	---
Gilliam	---	17	---	---	7	---	17	41
Grant	---	830	2,550	---	---	---	---	3,380
Harney	---	200	20	---	10	5	25	260
Hood River	---	---	---	---	---	---	---	---
Jackson	---	159	5	---	784	6	40	994
Jefferson	---	12	5	---	3	20	---	40
Josephine	---	75	8,480	---	---	20	6,000	14,575
Klamath	---	58	127	---	122	52	---	359
Lake	---	50	45	---	50	40	25	210
Lane	---	240	202	---	88	26	10	566
Lincoln	---	---	---	---	---	---	---	---
Linn	---	172	143	---	61	7	15	398
Malheur	---	25	30	---	8	275	5	343
Marion	---	100	100	---	1,280	---	500	1,980
Morrow	---	28	---	---	15	---	---	43
Multnomah	---	25	16	---	408	36	25	510
Polk	---	41	---	---	5	---	1	47
Sherman	---	---	---	---	---	---	---	---
Tillamook	---	---	---	---	---	---	---	---
Umatilla	---	125	---	---	---	---	---	125
Union	---	200	14	---	350	---	100	664
Wallowa	---	200	---	---	40	---	200	440
Wasco	---	---	---	---	---	---	---	---

Table 43. -- Status of land disturbed by surface mining in Oregon as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Washington----------	---	250	250	---	---	---	---	500
Wheeler----------	---	15	---	---	31	---	---	46
Yamhill----------	---	---	---	---	682	---	---	682
Total	---	3,521	17,568	3	6,814	1,538	7,387	36,831

1/Based on information from Soil Conservation Service state office

Table 44. -- Status of land disturbed by surface mining in Pennsylvania as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	---	100	---	10	600	---	710
Allegheny	2,000	100	20	200	200	100	800	3,420
Armstrong	10,500	200	200	1,500	220	400	8,600	21,620
Beaver	4,500	100	25	700	200	100	2,800	8,425
Bedford	700	300	50	100	500	250	800	2,700
Berks	---	150	400	---	200	900	100	1,750
Blair	700	50	700	---	200	2,100	750	4,500
Bradford	---	250	100	---	1,200	700	200	2,450
Bucks	---	600	100	---	700	350	100	1,850
Butler	11,750	240	400	3,000	1,200	800	5,750	23,140
Cambria	12,000	---	300	3,100	---	600	4,900	20,900
Cameron	150	---	---	---	---	---	150	300
Carbon	2,700	---	---	400	---	---	300	3,400
Centre	12,000	50	100	2,000	50	700	2,550	17,450
Chester	---	---	50	---	---	150	5	205
Clarion	10,000	50	50	1,000	50	150	24,020	35,320
Clearfield	20,000	50	400	12,000	---	2,450	36,000	70,900
Clinton	1,000	---	400	500	---	1,100	500	3,500
Columbia	1,500	20	15	200	---	---	1,300	3,035
Crawford	---	50	10	---	50	---	150	260
Cumberland	---	100	300	---	300	1,500	50	2,250
Dauphin	---	---	50	---	---	200	10	260
Delaware	---	---	100	---	---	75	10	185
Elk	2,000	---	100	500	---	150	1,500	4,250
Erie	---	200	50	---	800	150	100	1,300
Fayette	10,000	50	500	9,000	---	2,000	21,050	42,600
Forest	---	---	20	---	---	---	---	20
Franklin	---	100	310	---	300	240	50	1,000
Fulton	100	150	25	50	---	25	200	550
Greene	1,000	---	---	2,350	---	---	6,650	10,000
Huntingdon	800	4,950	4,000	100	6,000	2,000	3,050	20,900
Indiana	40,000	---	50	6,000	---	150	24,000	70,200
Jefferson	16,000	---	700	5,000	---	300	14,010	36,010
Juanita	---	---	40	---	---	---	---	40
Lackawanna	9,000	50	---	100	---	---	950	10,100

Table 44. -- Status of land disturbed by surface mining in Pennsylvania as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Lancaster	---	365	500	---	300	1,000	145	2,310
Lawrence	7,800	200	500	1,700	50	1,000	3,500	14,750
Lebanon	---	60	600	---	20	1,500	---	2,180
Lehigh	---	30	2,500	---	---	200	---	2,730
Luzerne	2,000	200	50	800	200	---	27,400	30,650
Lycoming	500	100	40	300	50	250	750	1,990
McKean	200	60	100	---	---	---	300	660
Mercer	1,400	900	75	400	1,075	50	2,490	6,390
Mifflin	---	200	150	---	100	200	---	650
Monroe	---	---	---	---	---	---	---	---
Montgomery	---	---	300	---	---	100	---	400
Montour	---	---	40	---	---	10	10	60
Northampton	---	100	1,600	---	---	300	---	2,000
Northumberland	13,000	---	150	600	---	50	930	14,730
Perry	---	---	---	---	---	20	15	35
Philadelphia	---	---	---	---	---	---	---	---
Pike	---	100	300	---	300	---	50	750
Potter	---	---	75	---	---	25	20	120
Schuylkill	18,100	---	50	1,850	---	---	12,060	32,060
Snyder	---	---	100	---	50	50	50	250
Somerset	11,450	300	1,500	3,500	200	100	19,000	36,050
Sullivan	150	50	30	50	---	100	200	580
Susquehanna	---	100	400	---	---	300	250	1,050
Tioga	1,000	50	20	200	150	20	2,250	3,690
Union	---	---	150	---	---	30	75	255
Venango	3,000	50	100	500	50	---	4,100	7,800
Warren	---	---	5	---	---	5	50	60
Washington	9,000	---	100	2,000	---	---	11,000	22,100
Wayne	---	75	400	---	100	100	150	825
Westmoreland	4,000	---	300	300	---	700	3,700	9,000
Wyoming	---	200	200	---	150	300	50	900
York	---	50	500	---	25	350	50	975
Total	240,000	11,000	20,500	60,000	15,000	25,000	250,000	621,500

1/Based on information from Soil Conservation Service state office

Table 45. -- Status of land disturbed by surface mining in Rhode Island as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Bristol	---	30	---	---	--	---	44	74
Kent	---	660	---	---	---	---	889	1,549
Newport	---	132	---	---	---	---	325	457
Providence	---	1,100	---	---	---	---	1,283	2,383
Washington	---	670	---	---	---	---	929	1,599
Total	---	2,592	---	---	---	---	3,470	6,062

1/Based on information from Soil Conservation Service state office

Table 46. -- Status of land disturbed by surface mining in South Carolina as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Abbeville	---	---	---	---	1	---	---	1
Aiken	---	81	196	---	62	222	284	845
Allendale	---	5	---	---	---	---	---	5
Anderson	---	25	6	---	---	89	15	135
Bamberg	---	---	---	---	3	---	3	6
Barnwell	---	2	---	---	1	---	---	3
Beaufort	---	---	---	---	5	---	600	605
Berkeley	---	200	---	---	12	138	---	350
Calhoun	---	---	---	---	10	---	4	14
Charleston	---	600	---	---	207	---	7,586	8,393
Cherokee	---	---	93	---	5	302	---	400
Chester	---	8	---	---	28	---	3	39
Chesterfield	---	784	---	---	502	50	34	1,370
Clarendon	---	312	---	---	82	---	3	397
Colleton	---	575	10	---	61	46	50	742
Darlington	---	52	---	---	29	---	60	141
Dillon	---	---	---	---	33	---	---	33
Dorchester	---	473	---	---	186	229	35	923
Edgefield	---	70	---	---	---	37	---	107
Fairfield	---	---	11	---	82	238	---	331
Florence	---	426	---	---	123	---	---	549
Georgetown	---	100	---	---	79	---	1	180
Greenville	---	31	---	---	5	97	105	238
Greenwood	---	---	104	---	---	51	---	156
Hampton	---	5	---	---	---	---	---	5
Horry	---	216	---	---	155	---	15	386
Jasper	---	432	---	---	62	---	---	494
Kershaw	---	75	276	---	51	136	24	562
Lancaster	---	50	56	---	---	58	57	221
Laurens	---	---	88	---	---	181	72	340
Lee	---	100	---	---	11	---	---	111
Lexington	---	1,100	57	---	133	138	15	1,443
McCormick	---	---	---	---	---	---	---	---
Marion	---	10	---	---	16	---	---	26
Marlboro	---	1,698	150	---	1,704	33	474	4,059
Newberry	---	2	15	---	13	49	---	79

Table 46. -- Status of land disturbed by surface mining in South Carolina as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Oconee	---	40	30	---	---	51	100	221
Orangeburg	---	95	---	---	18	224	---	337
Pickens	---	30	107	---	---	127	---	264
Richland	---	180	525	---	66	186	20	977
Saluda	---	---	24	---	---	37	---	61
Spartanburg	---	30	240	---	80	374	20	744
Sumter	---	1,161	---	---	519	2	127	1,809
Union	---	20	---	---	16	36	100	172
Williamsburg	---	67	---	---	16	---	---	83
York	---	10	140	---	19	63	8	240
Total	---	9,065	2,128	---	4,395	3,194	9,815	28,597

1/Based on information from Soil Conservation Service state office

Table 47. -- Status of land disturbed by surface mining in South Dakota as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Aurora	---	250	---	---	150	---	200	600
Beadle	---	150	---	---	260	---	45	455
Bennett	---	30	---	---	50	---	50	130
Bon Homme	---	75	---	---	75	---	75	225
Brookings	---	215	---	---	210	---	200	625
Brown	---	40	---	---	260	---	---	300
Brule	---	1,320	---	---	640	---	440	2,400
Buffalo	---	640	---	---	320	---	800	1,760
Butte	---	360	4,003	---	60	219	240	4,882
Campbell	---	50	---	---	65	---	95	210
Charles Mix	---	500	---	---	120	---	380	1,000
Clark	---	400	---	---	185	---	35	620
Clay	---	61	---	---	20	---	10	91
Codington	---	100	---	---	70	---	150	320
Corson	---	25	---	---	15	---	60	100
Custer	---	80	400	---	20	41	100	641
Davison	---	150	---	---	150	---	150	450
Day	---	180	---	---	30	---	60	270
Deuel	---	150	---	---	50	---	150	350
Dewey	790	50	---	---	150	---	210	1,200
Douglas	---	400	---	---	100	---	300	800
Edmunds	---	200	---	---	60	---	100	360
Fall River	---	120	70	---	10	15	10	225
Faulk	---	30	---	---	18	---	30	78
Grant	---	160	50	---	215	99	75	599
Gregory	---	40	---	---	40	---	50	130
Haakon	---	20	---	---	30	---	2	52
Hamlin	---	40	---	---	100	---	40	180
Hand	---	30	---	---	85	---	---	115
Hanson	---	130	---	---	100	20	120	370
Harding	---	15	405	---	61	---	63	544
Hughes	---	100	---	---	50	---	50	200
Hutchinson	---	50	---	---	170	---	65	285
Hyde	---	376	---	---	20	---	32	428
Jackson	---	60	---	---	40	---	200	300
Jerauld	---	8	---	---	55	---	20	83

Table 47. -- Status of land disturbed by surface mining in South Dakota as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Jones	---	50	---	---	20	---	---	70
Kingsbury	---	219	---	---	164	---	94	477
Lake	---	215	---	---	110	---	50	375
Lawrence	---	29	4	---	3	33	82	151
Lincoln	---	---	---	---	140	---	12	152
Lyman	---	80	---	---	60	---	160	300
McCook	---	225	---	---	40	---	100	365
McPherson	---	225	---	---	115	---	125	465
Marshall	---	115	---	---	57	---	372	544
Meade	---	110	---	---	325	2	45	482
Mellette	---	100	---	---	290	---	50	440
Miner	---	3	---	---	144	---	3	150
Minnehaha	---	14	2	---	23	80	80	199
Moody	---	250	---	---	90	---	160	500
Pennington	---	220	320	---	10	171	135	856
Perkins	50	50	---	---	20	---	30	150
Potter	---	150	---	---	10	---	5	165
Roberts	---	90	---	---	140	---	10	240
Sanborn	---	8	---	---	45	---	10	63
Shannon	---	70	---	---	100	---	100	270
Spink	---	261	---	---	161	---	10	432
Stanley	---	12	---	---	60	---	40	112
Sully	---	45	---	---	---	---	227	272
Todd	---	50	---	---	70	---	---	120
Tripp	---	50	---	---	---	---	---	50
Turner	---	250	---	---	150	---	245	645
Union	---	400	---	---	50	---	50	500
Walworth	---	27	---	---	30	---	27	84
Washabaugh	---	50	---	---	30	---	170	250
Yankton	---	80	5	---	265	15	50	415
Ziebach	50	100	---	---	50	---	100	300
Total	890	10,153	5,259	---	6,826	695	7,149	30,972

1/Based on information from Soil Conservation Service state office

Table 48. -- Status of land disturbed by surface mining in Tennessee as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Anderson	3,716	---	---	208	---	---	29,500	33,424
Bedford	---	---	---	---	---	---	---	---
Benton	---	2,000	150	---	350	25	800	3,325
Bledsoe	150	---	---	175	---	---	200	525
Blount	---	---	---	---	---	---	---	---
Bradley	---	75	---	---	50	---	50	175
Campbell	8,456	50	---	483	25	---	31,000	40,014
Cannon	---	---	---	---	---	---	---	---
Carroll	---	40	100	---	20	---	50	210
Carter	---	---	150	---	---	---	---	150
Cheatham	---	---	---	---	---	---	---	---
Chester	---	50	---	---	---	---	---	50
Claiborne	3,116	---	---	---	---	---	4,000	7,116
Clay	---	---	---	---	---	---	---	---
Cocke	---	---	---	---	---	---	---	---
Coffee	---	---	---	---	---	---	---	---
Crockett	---	---	---	---	---	---	---	---
Cumberland	203	---	200	105	---	---	---	508
Davidson	---	---	---	---	---	---	---	---
Decatur	---	200	---	---	75	---	---	275
DeKalb	---	---	---	---	---	---	---	---
Dickson	---	50	---	---	---	---	---	50
Dyer	---	---	---	---	---	---	---	---
Fayette	---	---	---	---	---	---	---	---
Fentress	195	---	50	430	---	---	---	675
Franklin	---	75	---	---	15	---	---	90
Gibson	---	---	---	---	---	---	---	---
Giles	---	---	100	---	---	50	---	150
Grainger	---	---	---	---	---	---	---	---
Greene	---	---	---	---	---	---	---	---
Grundy	2,839	20	---	138	---	---	1,300	4,297
Hamblen	---	---	---	---	---	---	---	---
Hamilton	252	---	---	6	---	---	---	258
Hancock	---	---	---	---	---	---	---	---
Hardeman	---	---	---	---	---	---	---	---
Hardin	---	200	---	---	50	---	---	250

Table 48. -- Status of land disturbed by surface mining in Tennessee as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Hawkins	---	---	---	---	---	---	---	---
Haywood	---	---	---	---	---	---	---	---
Henderson	---	200	---	---	50	---	---	250
Henry	---	200	100	---	25	400	200	925
Hickman	---	150	50	---	30	75	500	805
Houston	---	---	30	---	10	---	---	40
Humphreys	---	200	---	---	25	---	50	275
Jackson	---	---	---	---	---	---	---	---
Jefferson	---	---	---	---	---	---	---	---
Johnson	---	---	100	---	---	---	---	100
Knox	---	---	---	---	---	---	---	---
Lake	---	---	---	---	---	---	---	---
Lauderdale	---	275	---	---	20	---	---	295
Lawrence	---	100	---	---	---	---	---	100
Lewis	---	210	---	---	---	---	---	210
Lincoln	---	---	---	---	---	---	---	---
Loudon	---	---	210	---	---	5	25	240
McMinn	---	---	190	---	---	---	10	200
McNairy	---	100	---	---	---	---	---	100
Macon	---	---	---	---	---	---	---	---
Madison	---	40	---	---	---	---	---	40
Marion	1,004	---	---	77	---	---	350	1,431
Marshall	---	---	50	---	---	50	300	400
Maury	---	---	75	---	---	500	28,000	28,575
Meigs	---	---	---	---	---	---	---	---
Monroe	---	---	---	---	---	---	---	---
Montgomery	---	---	---	---	---	---	---	---
Moore	---	---	---	---	---	---	---	---
Morgan	2,883	---	---	659	---	---	1,500	5,042
Obion	---	---	---	---	---	---	---	---
Overton	100	---	---	42	---	---	20	162
Perry	---	175	---	---	---	---	---	175
Pickett	---	---	---	---	---	---	---	---
Polk	---	---	---	75	---	---	---	75
Putnam	525	---	---	---	---	---	75	600
Rhea	---	---	---	---	---	---	---	---

Table 48. -- Status of land disturbed by surface mining in Tennessee as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Roane	---	---	200	---	---	---	100	300
Robertson	---	---	---	---	---	---	---	---
Rutherford	---	---	---	---	---	---	---	---
Scott	4,310	---	---	634	---	---	2,856	7,800
Sequatchie	674	---	---	14	---	---	800	1,488
Sevier	---	---	---	---	---	---	---	---
Shelby	---	390	---	---	50	---	60	500
Smith	---	---	---	---	---	---	---	---
Stewart	---	---	---	---	---	---	---	---
Sullivan	---	---	---	---	---	---	---	---
Summer	---	---	---	---	---	---	200	200
Tipton	---	---	---	---	---	---	---	---
Trousdale	---	---	---	---	---	---	---	---
Unicoi	---	---	---	---	---	---	---	---
Union	---	---	---	---	---	---	---	---
Van Buren	1,160	---	---	---	---	---	2,000	3,160
Warren	---	---	---	---	---	---	---	---
Washington	---	---	---	---	---	---	---	---
Wayne	---	150	---	---	15	---	---	165
Weakley	---	---	550	---	---	30	150	730
White	---	---	---	81	---	---	---	81
Williamson	---	---	---	---	---	---	500	500
Wilson	---	---	---	---	---	---	---	---
Total	29,583	4,950	2,305	3,127	810	1,135	104,596	146,506

1/Based on information from Soil Conservation Service state office

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Anderson	---	300	---	---	---	---	200	500
Andrews	---	340	---	---	---	---	---	340
Angelina	---	400	800	---	---	---	200	1,400
Aransas	---	---	---	---	---	---	---	---
Archer	---	300	---	---	---	---	---	300
Armstrong	---	10	---	---	---	---	16	26
Atascosa	---	250	65	---	100	90	---	505
Austin	---	25	---	---	---	---	1,875	1,900
Bailey	---	---	160	---	---	---	---	160
Bandera	---	170	---	---	---	---	50	220
Bastrop	---	100	---	---	---	---	---	100
Baylor	---	133	---	---	---	---	100	233
Bee	---	---	660	---	---	---	---	660
Bell	---	550	---	---	25	---	250	825
Bexar	---	1,888	2,897	---	---	---	300	5,085
Blanco	---	25	---	---	---	---	---	25
Borden	---	30	---	---	---	---	20	50
Bosque	---	650	150	---	---	---	---	800
Bowie	---	325	---	---	---	---	3,050	3,375
Brazoria	---	2,600	---	---	600	---	1,000	4,200
Brazos	---	750	---	---	---	---	---	750
Brewster	---	---	---	---	---	---	1,600	1,600
Briscoe	---	65	---	---	---	---	---	65
Brooks	---	---	---	---	---	---	---	---
Brown	---	675	---	---	25	---	75	775
Burleson	---	200	---	---	---	---	200	400
Burnet	---	30	770	---	---	---	80	880
Caldwell	---	605	---	---	60	---	---	665
Calhoun	---	5	---	---	---	---	---	5
Callahan	---	575	---	---	---	---	24	599
Cameron	---	---	---	---	---	---	---	---
Camp	---	643	---	---	150	---	473	1,266
Carson	---	---	23	---	---	---	---	23
Cass	---	600	2,400	---	250	500	750	4,500
Castro	---	41	---	---	---	---	---	41
Chambers	---	150	---	---	---	---	---	150

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Cherokee	---	140	1,600	---	20	40	1,000	2,800
Childress	---	50	22	---	---	---	---	72
Clay	---	120	---	---	---	---	5	125
Cochran	---	---	33	---	---	---	---	33
Coke	---	200	50	---	---	---	---	250
Coleman	---	108	---	---	---	---	112	220
Collin	---	421	---	---	20	---	75	516
Collingsworth	---	170	---	---	---	---	---	170
Colorado	---	23,500	---	---	500	---	500	24,500
Comal	---	---	819	---	---	30	215	1,064
Comanche	---	33	---	---	---	---	---	33
Concho	---	---	65	---	---	---	---	65
Cooke	---	800	1,000	---	---	---	---	1,800
Coryell	---	50	---	---	---	---	---	50
Cottle	---	25	---	---	---	---	---	25
Crane	---	1,804	---	---	---	---	---	1,804
Crockett	---	200	---	---	50	---	150	400
Crosby	---	1,018	149	---	---	---	---	1,167
Culberson	---	6	6	---	---	---	---	12
Dallam	---	---	101	---	---	---	---	101
Dallas	---	13,600	---	---	200	---	2,700	16,500
Dawson	---	---	28	---	---	---	---	28
Deaf Smith	---	---	---	---	---	---	---	---
Delta	---	---	---	---	---	---	---	---
Denton	---	3,570	---	---	60	---	200	3,830
De Witt	---	2,000	500	---	300	50	1,000	3,850
Dickens	---	300	---	---	---	---	---	300
Dimmit	---	6	250	---	---	---	---	256
Donley	---	62	---	---	---	---	24	86
Duval	---	1,000	---	---	---	---	---	1,000
Eastland	---	25	5	---	---	---	---	30
Ector	---	760	---	---	---	---	---	760
Edwards	---	---	1,000	---	---	50	20	1,070
Ellis	---	950	---	---	---	---	---	950
El Paso	---	200	800	---	---	---	300	1,300
Erath	100	100	---	---	---	---	---	200

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Falls	---	260	---	---	---	---	---	260
Fannin	---	800	---	---	---	---	150	950
Fayette	---	465	200	---	---	---	35	700
Fisher	---	100	1,195	---	---	---	---	1,295
Floyd	---	50	---	---	50	---	75	175
Foard	---	3	---	---	---	---	5	8
Ford Bend	---	500	---	---	---	---	---	500
Franklin	---	150	50	---	---	---	75	275
Freestone	---	1,000	300	700	300	30	6,000	8,330
Frio	---	240	---	---	48	---	24	312
Gaines	---	250	---	---	---	---	---	250
Galveston	---	900	---	---	300	---	300	1,500
Garza	---	280	50	---	---	---	---	330
Gillespie	---	---	68	---	---	---	---	68
Glasscock	---	150	---	---	---	---	50	200
Goliad	---	---	193	---	---	---	35	228
Gonzales	---	300	100	---	---	120	250	770
Gray	---	800	200	---	50	---	200	1,250
Grayson	---	1,500	---	---	---	---	400	1,900
Gregg	---	200	---	---	10	---	100	310
Grimes	---	228	30	---	---	---	---	258
Guadalupe	---	250	10	---	3	3	25	291
Hale	---	---	375	---	---	---	---	375
Hall	---	---	---	---	---	---	---	---
Hamilton	---	70	---	---	---	---	---	70
Hansford	---	---	20	---	---	---	---	20
Hardeman	---	4	60	---	---	---	30	94
Hardin	---	---	---	---	---	---	70	70
Harris	---	1,015	1,156	---	50	60	150	2,431
Harrison	500	1,100	300	1,500	150	100	1,200	4,850
Hartley	---	---	49	---	---	---	---	49
Haskell	---	495	---	---	---	---	182	677
Hays	---	614	80	---	---	---	---	694
Hemphill	---	100	300	---	---	100	80	580
Henderson	325	700	500	---	---	---	100	1,625
Hidalgo	---	2,850	160	---	210	5	480	3,705

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Hill	---	50	400	---	---	---	450	900
Hockley	---	---	750	---	---	---	---	750
Hood	---	25	---	---	20	---	---	45
Hopkins	---	800	---	150	15	---	700	1,665
Houston	---	120	130	---	---	15	120	385
Howard	---	1,500	---	---	---	---	500	2,000
Hudspeth	---	10	25	---	4	---	---	39
Hunt	---	250	---	---	---	---	50	300
Hutchinson	---	100	---	---	50	---	---	150
Irion	---	11	---	---	---	---	---	11
Jack	---	60	---	---	---	---	---	60
Jackson	---	63	---	---	---	---	43	106
Jasper	---	50	300	---	---	---	100	450
Jeff Davis	---	---	---	---	---	---	---	---
Jefferson	---	---	---	---	---	---	---	---
Jim Hogg	---	25	---	---	---	---	---	25
Jim Wells	---	---	300	---	---	---	50	350
Johnson	---	550	584	---	---	---	---	1,134
Jones	---	1,602	---	---	---	---	---	1,602
Karnes	---	---	1,923	---	---	2,521	---	4,444
Kaufman	---	500	---	---	---	---	105	605
Kendall	---	---	100	---	---	---	---	100
Kenedy	---	---	---	---	---	---	---	---
Kent	---	10	---	---	---	---	100	110
Kerr	---	60	---	---	---	---	---	60
Kimble	---	150	---	---	25	---	40	215
King	---	5	---	---	---	---	---	5
Kinney	---	90	---	---	---	---	---	90
Kleberg	---	---	100	---	---	---	25	125
Knox	---	32	---	---	---	---	---	32
Lamar	---	---	---	---	---	---	---	---
Lamb	---	580	---	---	---	---	---	580
Lampasas	---	50	---	---	---	---	---	50
La Salle	---	25	---	---	25	---	200	250
Lavaca	---	70	260	---	---	---	50	380
Lee	---	635	---	---	40	---	10	685

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Leon	---	300	---	---	30	---	---	330
Liberty	---	1,435	---	---	---	---	150	1,585
Limestone	---	411	300	---	---	---	---	711
Lipscomb	---	42	---	---	---	---	---	42
Live Oak	---	15	470	---	---	125	60	670
Llano	---	12	50	---	---	---	---	62
Loving	---	5	15	---	---	---	---	20
Lubbock	---	---	110	---	75	---	---	185
Lynn	---	85	65	---	---	---	5	155
McCulloch	---	75	---	---	---	---	25	100
McLennan	---	3,500	500	---	---	---	400	4,400
McMullen	---	665	---	---	---	---	---	665
Madison	---	10	---	---	---	---	---	10
Marion	---	300	500	---	135	150	300	1,385
Martin	---	---	---	---	---	---	---	---
Mason	---	20	10	---	---	---	3	33
Matagorda	---	---	---	---	---	---	---	---
Maverick	20	145	55	---	---	---	33	253
Medina	---	158	29	---	---	---	3	190
Menard	---	---	---	---	---	---	---	---
Midland	---	---	---	---	---	---	---	---
Milam	2,250	210	---	125	---	---	625	3,210
Mills	---	---	---	---	---	---	---	---
Mitchell	---	75	25	---	125	25	50	300
Montague	---	291	---	---	20	---	---	311
Montgomery	---	3,216	---	---	250	---	3,000	6,466
Moore	---	12	---	---	---	---	8	20
Morris	---	200	2,500	---	---	---	300	3,000
Motley	---	45	---	---	---	---	5	50
Nacogdoches	---	300	300	---	---	---	300	900
Navarro	---	500	75	---	---	---	---	575
Newton	---	75	200	---	---	---	175	450
Nolan	---	425	285	---	---	---	75	785
Nueces	---	645	5	---	---	---	300	950
Ochiltree	---	135	---	---	---	---	---	135

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Oldham	---	800	50	---	---	---	---	850
Orange	---	---	---	---	---	---	---	---
Palo Pinto	---	250	---	---	---	---	---	250
Panola	---	150	---	250	---	---	25	425
Parker	---	650	---	---	---	---	60	710
Parmer	---	---	---	---	---	---	---	---
Pecos	---	2,040	---	---	---	---	---	2,040
Polk	---	350	1,300	---	200	150	50	2,050
Potter	---	13,775	---	---	---	---	200	13,975
Presidio	---	---	---	---	10	---	---	10
Rains	---	75	---	---	---	---	75	150
Randall	---	200	---	---	---	---	100	300
Reagan	---	46	---	---	---	---	---	46
Real	---	---	300	---	---	20	10	330
Red River	---	---	---	---	---	---	---	---
Reeves	---	1,020	1,260	---	---	---	---	2,280
Refugio	---	---	---	---	---	---	---	---
Roberts	---	75	---	---	---	---	15	90
Robertson	---	1,370	---	---	---	---	---	1,370
Rockwall	---	---	---	---	---	---	72	72
Runnels	---	350	---	---	10	---	---	360
Rusk	---	300	29	---	---	30	75	434
Sabine	---	415	---	---	---	---	140	555
San Augustine	---	335	---	---	---	---	60	395
San Jacinto	---	3,000	500	---	600	200	200	4,500
San Patricio	---	2,000	30	---	100	---	800	2,930
San Saba	---	50	20	---	---	---	15	85
Schleicher	---	3	---	---	10	---	---	13
Scurry	---	80	---	---	---	---	100	180
Shackelford	---	45	15	---	---	---	15	75
Shelby	---	300	---	---	---	---	200	500
Sherman	---	47	---	---	---	---	---	47
Smith	---	420	---	---	---	---	630	1,050
Somervell	---	---	---	---	---	---	261	261
Starr	---	398	200	---	---	---	200	798
Stephens	---	100	---	---	---	---	50	150

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Sterling	---	100	---	---	---	---	20	120
Stonewall	---	712	---	---	---	---	426	1,138
Sutton	---	1,000	---	---	---	---	---	1,000
Swisher	---	78	---	---	---	---	---	78
Tarrant	---	5,591	510	---	100	---	3,073	9,274
Taylor	---	2,000	---	---	100	---	100	2,200
Terrell	---	---	---	---	---	---	---	---
Terry	---	---	60	---	---	---	20	80
Throckmorton	---	---	---	---	---	---	---	---
Titus	---	250	---	1,000	---	---	---	1,250
Tom Green	---	2,500	---	---	---	---	1,000	3,500
Travis	---	1,320	450	---	400	200	150	2,520
Trinity	---	175	50	---	---	---	50	275
Tyler	---	125	---	---	---	---	50	175
Upshur	---	800	---	---	50	---	400	1,250
Upton	---	58	---	---	---	---	---	58
Uvalde	---	85	1,075	---	45	75	50	1,330
Val Verde	---	---	---	---	---	---	---	---
Van Zandt	---	200	---	---	---	---	150	350
Victoria	---	2,600	---	---	200	---	---	2,800
Walker	---	260	90	---	10	---	50	410
Waller	---	350	---	---	25	---	2,500	2,875
Ward	---	1,260	---	---	---	---	---	1,260
Washington	---	400	---	---	---	---	100	500
Webb	100	400	1,000	---	---	300	600	2,400
Wharton	---	300	50	---	---	---	30	380
Wheeler	---	178	---	---	---	---	---	178
Wichita	---	150	---	---	---	---	30	180
Wilbarger	---	33	---	---	---	---	7	40
Willacy	---	---	---	---	---	---	---	---
Williamson	---	236	---	---	4	---	76	316
Wilson	---	20	---	---	---	---	2	22
Winkler	---	150	---	---	---	---	---	150
Wise	10	480	---	---	80	---	170	740
Wood	---	1,800	---	---	---	---	1,000	2,800

Table 49. -- Status of land disturbed by surface mining in Texas as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Yoakum----------	---	---	---	---	---	---	---	---
Young----------	5	225	---	---	---	---	75	305
Zapata----------	---	120	---	---	---	---	20	140
Zavala----------	---	100	---	---	---	---	14	114
Total	3,310	152,457	37,104	3,725	6,289	4,989	48,456	256,330

1/Based on information from Soil Conservation Service state office

Table 50. -- Status of land disturbed by surface mining in Utah as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Beaver	---	10	25	---	115	306	67	523
Box Elder	---	2,000	240	---	2,000	240	---	4,480
Cache	---	5	---	---	352	---	11	368
Carbon	---	20	---	---	---	---	40	60
Daggett	---	---	---	---	---	10	50	60
Davis	---	108	---	---	75	---	127	310
Duchesne	---	100	---	---	70	30	---	200
Emery	---	---	---	---	20	---	---	20
Garfield	---	---	---	3	58	60	---	121
Grand	30	55	417	30	45	175	2,529	3,281
Iron	---	15	---	---	25	2,000	250	2,290
Juab	---	---	21	---	3	146	---	170
Kane	200	400	---	---	50	---	---	650
Millard	---	50	---	---	300	50	---	400
Morgan	5	5	50	---	30	740	100	930
Piute	---	---	89	---	15	24	---	128
Rich	---	---	300	---	---	---	120	420
Salt Lake	---	184	40	---	676	5,230	140	6,270
San Juan	75	95	847	85	135	225	3,492	4,954
Sanpete	---	10	---	---	60	20	30	120
Sevier	115	690	1,975	---	88	---	65	2,933
Summit	200	100	100	15	100	300	200	1,015
Tooele	---	24	73	---	30	150	200	477
Uintah	10	20	10	---	10	40	100	190
Utah	---	60	215	---	230	470	---	975
Wasatch	---	28	12	---	---	---	---	40
Washington	---	20	---	---	---	---	---	20
Wayne	---	---	---	---	---	---	---	---
Weber	---	---	---	---	150	---	---	150
Total	635	3,999	4,414	133	4,637	10,216	7,521	31,555

1/Based on information from Soil Conservation Service State office.

Table 51. -- Status of land disturbed by surface mining in Vermont as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Addison	---	100	---	---	200	---	50	350
Bennington	---	415	18	---	32	---	180	645
Caledonia	---	25	---	---	8	---	---	33
Chittenden	---	650	60	---	---	---	125	835
Essex	---	5	---	---	3	---	---	8
Franklin	---	1,250	100	---	---	---	250	1,600
Grand Isle	---	75	25	---	---	---	20	120
Lamoille	---	250	---	---	---	---	250	500
Orange	---	50	75	---	60	50	100	335
Orleans	---	72	250	---	---	---	---	322
Rutland	---	200	400	---	---	---	---	600
Washington	---	408	1,150	---	22	---	375	1,955
Windham	---	327	---	---	2	---	136	465
Windsor	---	50	---	---	50	10	50	160
Total	---	3,877	2,078	---	377	60	1,536	7,928

1/Based on information from Soil Conservation Service state office

Table 52. -- Status of land disturbed by surface mining in Virginia as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Accomack	---	45	---	---	---	---	17	62
Albemarle	---	---	---	---	---	50	50	100
Alleghany	---	56	35	---	---	---	42	133
Amelia	---	---	---	---	---	---	---	---
Amherst	---	---	50	---	100	100	50	300
Appomattox	---	---	---	---	---	25	---	25
Arlington	---	---	---	---	---	---	---	---
Augusta	---	66	30	---	95	---	36	227
Bath	---	---	4	---	---	9	---	13
Bedford	---	---	25	---	---	---	---	25
Bland	---	30	120	---	35	---	20	205
Botetourt	---	15	---	---	535	450	15	1,015
Brunswick	---	---	---	---	3	2	2	7
Buchanan	4,372	---	---	2,755	---	---	16,000	23,127
Buckingham	---	---	60	---	---	---	---	60
Campbell	---	---	---	---	---	150	25	175
Caroline	---	---	---	---	30	---	---	30
Carroll	---	---	---	---	---	16	---	16
Charles City	---	---	12	---	257	---	186	455
Charlotte	---	---	---	---	---	---	---	---
Chesterfield	---	25	15	---	10	10	300	360
Clarke	---	---	3	---	---	---	1	4
Craig	---	---	---	---	250	---	---	250
Culpeper	---	---	---	---	5	---	10	15
Cumberland	---	---	---	---	---	---	---	---
Dickenson	3,484	---	---	1,377	---	---	14,560	19,421
Dinwiddie	---	---	---	---	---	---	50	50
Essex	---	1	---	---	1	---	4	6
Fairfax	---	---	---	---	---	2	30	32
Fauquier	---	40	---	---	---	---	---	40
Floyd	---	---	---	---	4	---	3	7
Fluvanna	---	---	---	---	---	---	15	15
Franklin	---	---	2	---	---	8	5	15
Frederick	---	3	2	---	---	---	---	5
Giles	---	---	10	---	---	65	25	100
Gloucester	---	73	---	---	---	---	15	88

Table 52. -- Status of land disturbed by surface mining in Virginia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Goochland	---	---	---	---	---	5	350	355
Grayson	---	---	---	---	---	---	---	---
Greene	---	---	---	---	---	---	---	---
Greensville	---	58	---	---	143	---	---	201
Halifax	---	40	---	---	25	---	40	105
Hanover	---	---	---	---	---	100	50	150
Henrico	---	1,180	---	---	625	50	625	2,480
Henry	---	---	---	---	---	18	20	38
Highland	---	---	11	---	---	1	7	19
Isle of Wight	---	---	---	---	---	---	---	---
James City	---	---	50	---	---	70	60	180
King and Queen	---	3	---	---	---	---	1	4
King George	---	32	---	---	21	---	29	82
King William	---	1	---	---	1	---	1	3
Lancaster	---	45	---	---	20	---	---	65
Lee	1,042	60	---	295	42	---	3,965	5,404
Loudoun	---	---	65	---	---	265	30	360
Louisa	---	---	---	---	10	---	30	40
Lunenburg	---	---	---	---	---	---	13	13
Madison	---	---	---	---	---	---	---	---
Mathews	---	---	---	---	---	---	25	25
Mecklenburg	---	---	---	---	---	---	---	---
Middlesex	---	27	---	---	---	---	21	48
Montgomery	20	10	---	---	50	40	---	120
Nansemond	---	---	---	---	---	---	---	---
Nelson	---	---	80	---	20	60	140	300
New Kent	---	---	---	---	200	---	35	235
Northampton	---	30	---	---	---	---	10	40
Northumberland	---	15	---	---	15	---	---	30
Nottoway	---	185	---	---	---	---	12	197
Orange	---	---	---	---	---	---	---	---
Page	---	---	---	---	25	---	10	35
Patrick	---	---	---	---	---	---	---	---
Pittsylvania	---	25	---	---	50	---	33	108
Powhatan	---	---	---	---	2	2	20	22
Prince Edward	---	4	---	---	---	180	3	187

Table 52. -- Status of land disturbed by surface mining in Virginia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Prince George	---	430	---	---	440	---	---	870
Prince William	---	---	25	---	---	8	64	97
Pulaski	---	---	---	---	103	40	---	143
Rappahannock	---	---	---	---	2	---	4	6
Richmond	---	30	---	---	20	---	---	50
Roanoke	---	30	7	---	87	---	---	124
Rockbridge	---	125	---	---	10	---	5	140
Rockingham	---	---	---	---	50	75	15	140
Russell	1,104	85	---	655	66	---	6,075	7,985
Scott	---	---	---	50	10	30	---	90
Shenandoah	---	---	---	---	---	---	35	35
Smyth	---	20	230	---	---	---	200	450
Southampton	---	4	---	---	---	---	3	7
Spotsylvania	---	188	---	---	47	---	856	1,091
Stafford	---	204	---	---	30	---	45	279
Surry	---	---	---	---	---	---	---	---
Sussex	---	---	---	---	---	---	---	---
Tazewell	2,283	76	---	310	47	---	5,950	8,666
Warren	---	---	---	---	40	---	12	52
Washington	---	---	35	---	---	50	---	85
Westmoreland	---	25	---	---	20	---	---	45
Wise	11,419	30	---	2,780	35	---	18,750	33,014
Wythe	---	120	15	---	---	---	400	535
York	---	274	---	---	---	107	58	439
Cities								
Chesapeake	---	23	---	---	330	---	189	542
Suffolk	---	32	365	---	20	15	400	832
Virginia Beach	---	23	---	---	---	---	8	31
Total	23,724	3,788	1,251	8,222	3,929	2,003	70,060	112,977

1/Based on information from Soil Conservation Service state office

Table 53. -- Status of land disturbed by surface mining in Washington as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	260	---	---	110	---	---	370
Asotin	---	12	---	---	6	---	6	24
Benton	---	570	---	---	250	---	---	820
Chelan	---	76	10	---	124	15	10	235
Clallam	---	70	14	---	164	16	---	264
Clark	---	188	---	---	1,012	---	250	1,450
Columbia	---	16	---	---	5	---	4	25
Cowlitz	---	775	---	---	250	---	330	1,355
Douglas	---	50	---	---	100	---	10	160
Ferry	---	75	20	---	10	1	2	108
Franklin	---	---	---	---	15	---	---	15
Garfield	---	---	---	---	---	---	96	96
Grant	---	685	225	---	40	---	2,022	2,972
Grays Harbor	---	---	877	---	95	15	---	987
Island	---	---	---	---	360	---	---	360
Jefferson	---	---	---	---	47	21	---	68
King	44	837	162	---	289	95	1,159	2,586
Kitsap	---	10	100	---	575	55	25	765
Kittitas	---	300	200	---	60	40	20	620
Klickitat	---	34	---	---	27	1	43	105
Lewis	---	---	---	490	55	225	4,800	5,570
Lincoln	---	1,462	30	---	---	---	---	1,492
Mason	---	30	10	---	50	10	20	120
Okanogan	---	50	100	---	80	50	250	530
Pacific	---	---	---	---	10	---	---	10
Pend Oreille	---	3	---	---	190	30	10	233
Pierce	---	1,000	500	---	5,100	100	150	6,850
San Juan	---	14	71	---	40	5	---	130
Skagit	---	152	38	---	150	30	---	370
Skamania	3	---	---	---	783	---	---	786
Snohomish	---	957	220	---	127	60	---	1,364
Spokane	---	1,010	65	---	---	---	---	1,075
Stevens	---	60	5,319	---	400	100	151	6,030
Thurston	---	100	40	700	400	60	400	1,700
Wahkiakum	---	20	5	---	---	5	---	30
Walla Walla	---	---	---	---	220	---	320	540

Table 53. -- Status of land disturbed by surface mining in Washington as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Whatcom	1	260	43	---	578	139	17	1,038
Whitman	---	125	---	---	25	---	---	150
Yakima	---	500	125	---	75	---	150	850
Total	48	9,701	8,174	1,190	11,822	1,073	10,245	42,253

1/Based on information from Soil Conservation Service state office

Table 54. -- Status of land disturbed by surface mining in West Virginia as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Barbour	4,323	---	---	1,069	---	---	9,878	15,270
Berkeley	---	1,090	97	---	---	---	---	1,187
Boone	15,139	12	---	73	---	---	5,942	21,166
Braxton	73	3	---	45	---	---	483	604
Brooke	652	---	---	91	---	---	3,205	3,948
Cabell	---	10	6	---	---	---	---	16
Calhoun	---	---	---	---	---	---	---	---
Clay	531	---	---	6	---	---	354	891
Doddridge	---	---	---	---	---	---	---	---
Fayette	5,573	42	13	190	---	---	11,637	17,455
Gilmer	---	---	---	4	---	---	1,188	1,192
Grant	1,886	435	---	270	---	---	392	2,983
Greenbrier	2,550	381	19	18	---	---	2,813	5,781
Hampshire	---	---	---	15	---	---	---	15
Hancock	134	106	---	5	---	---	353	598
Hardy	---	---	---	---	---	---	---	---
Harrison	3,355	74	26	339	---	---	22,935	26,729
Jackson	---	---	---	---	---	---	---	---
Jefferson	---	425	19	---	---	---	---	444
Kanawha	14,331	23	26	575	---	---	10,596	25,551
Lewis	4,009	5	---	98	---	---	7,496	11,608
Lincoln	---	---	---	---	---	---	130	130
Logan	2,419	4	---	776	---	---	4,101	7,300
McDowell	4,408	---	26	---	---	---	8,559	12,993
Marion	136	50	---	82	---	---	459	727
Marshall	---	---	---	---	---	---	---	---
Mason	---	---	---	7	---	---	342	349
Mercer	---	177	26	---	---	---	5,578	5,781
Mineral	258	277	---	178	---	---	1,168	1,881
Mingo	4,045	15	---	400	---	---	4,186	8,646
Monongalia	1,369	25	19	421	---	---	2,184	4,018
Monroe	---	---	26	---	---	---	---	26
Morgan	---	300	387	---	---	---	---	687
Nicholas	1,360	12	26	315	---	---	4,028	5,741
Ohio	---	---	---	---	---	---	81	81
Pendleton	---	204	19	---	---	---	---	223

Table 54. -- Status of land disturbed by surface mining in West Virginia as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Pleasants	---	---	---	---	---	---	---	---
Pocahontas	93	62	---	---	---	---	271	426
Preston	4,224	23	39	964	---	---	9,567	14,817
Putnam	---	---	19	---	---	---	---	19
Raleigh	5,315	---	31	560	---	---	4,874	10,780
Randolph	2,961	361	31	200	---	---	1,809	5,362
Ritchie	---	---	---	---	---	---	---	---
Roane	---	---	---	---	---	---	---	---
Summers	---	---	13	---	---	---	24	37
Taylor	---	---	---	185	---	---	2,593	2,778
Tucker	417	438	31	129	---	---	1,695	2,710
Tyler	---	---	---	---	---	---	---	---
Upshur	600	---	26	321	---	---	2,233	3,180
Wayne	18	---	13	---	---	---	60	91
Webster	678	---	19	---	---	---	1,212	1,909
Wetzel	---	---	---	136	---	---	---	136
Wirt	---	---	---	31	---	---	---	31
Wood	---	---	19	120	---	---	84	223
Wyoming	4,011	---	19	35	---	---	4,595	8,660
Total	84,868	4,554	995	7,658	---	---	137,105	235,180

1/Based on information from Soil Conservation Service state office

Table 55. -- Status of land disturbed by surface mining in Wisconsin as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Adams	---	---	---	---	---	---	500	500
Ashland	---	100	10	---	---	---	---	110
Barron	---	790	---	---	195	---	---	985
Bayfield	---	200	10	---	---	---	---	210
Brown	---	700	400	---	---	---	300	1,400
Buffalo	---	55	105	---	---	---	10	170
Burnett	---	178	10	---	30	---	150	368
Calumet	---	600	60	---	---	---	110	770
Chippewa	---	5,100	50	---	---	---	1,000	6,150
Clark	---	500	10	---	600	---	250	1,360
Columbia	---	1,160	80	---	---	---	220	1,460
Crawford	---	15	36	---	2	---	---	53
Dane	---	3,000	---	---	800	---	2,000	5,800
Dodge	---	592	92	---	---	---	---	684
Door	---	500	300	---	600	200	50	1,650
Douglas	---	240	10	---	---	---	120	370
Dunn	---	203	69	---	---	---	---	272
Eau Claire	---	312	100	---	---	---	120	532
Florence	---	240	20	---	---	---	40	300
Fond du Lac	---	700	275	---	725	210	150	2,060
Forest	---	240	---	---	---	---	60	300
Grant	---	180	900	---	60	311	50	1,501
Green	---	95	270	---	---	---	20	385
Green Lake	---	5	13	---	82	25	5	130
Iowa	---	110	450	---	---	---	75	635
Iron	---	100	25	---	---	---	---	125
Jackson	---	21	1	---	---	---	---	22
Jefferson	---	120	---	---	---	---	25	145
Juneau	---	55	---	---	25	100	---	180
Kenosha	---	200	---	---	1,050	---	1,200	2,450
Kewaunee	---	500	100	---	65	25	10	700
La Crosse	---	2	100	---	20	509	40	671
Lafayette	---	78	---	---	---	---	60	138
Langlade	---	68	---	---	23	---	45	136
Lincoln	---	175	---	---	---	---	25	200
Manitowoc	---	1,100	100	---	---	---	70	1,270

Table 55. -- Status of land disturbed by surface mining in Wisconsin as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Marathon	---	6,600	300	---	900	200	4,500	12,500
Marinette	---	1,465	150	---	---	---	234	1,849
Marquette	---	---	12	---	33	35	3	83
Menominee	---	35	---	---	10	---	15	60
Milwaukee	---	200	50	---	300	100	100	750
Monroe	---	40	460	---	---	---	40	540
Oconto	---	1,085	---	---	---	---	35	1,120
Oneida	---	---	498	---	---	---	150	648
Outagamie	---	935	425	---	---	---	175	1,535
Ozaukee	---	500	---	---	215	---	100	815
Pepin	---	27	45	---	---	---	31	103
Pierce	---	244	---	---	40	---	100	384
Polk	---	950	40	---	50	---	50	1,090
Portage	---	400	120	---	275	---	240	1,035
Price	---	180	---	---	10	---	20	210
Racine	---	1,850	---	---	2,450	150	5,400	9,850
Richland	---	30	80	---	---	---	---	110
Rock	---	900	200	---	---	---	660	1,760
Rusk	---	405	---	---	54	---	350	809
St. Croix	---	800	125	---	60	40	225	1,250
Sauk	---	595	450	---	---	---	---	1,045
Sawyer	---	---	---	---	---	---	---	---
Shawano	---	600	80	---	660	---	120	1,460
Sheboygan	---	684	---	---	---	---	---	684
Taylor	---	900	---	---	---	---	600	1,500
Trempealeau	---	8	14	---	---	---	17	39
Vernon	---	100	---	---	---	---	30	130
Vilas	---	350	---	---	---	---	80	430
Walworth	---	50	---	---	200	---	300	550
Washburn	---	---	---	---	---	---	---	---
Washington	---	305	10	---	175	10	50	550

Table 55. -- Status of land disturbed by surface mining in Wisconsin as of July 1, 1977, by counties (continued) 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Waukesha	---	800	200	---	2,000	800	700	4,500
Waupaca	---	750	75	---	---	---	---	825
Waushara	---	140	10	---	---	---	125	275
Winnebago	---	1,000	400	---	175	150	400	2,125
Wood	---	445	215	---	---	---	50	710
Total	---	41,607	7,555	---	11,884	2,865	21,605	85,516

1/Based on information from Soil Conservation Service state office

Table 56. -- Status of land disturbed by surface mining in Wyoming as of July 1, 1977, by counties 1/

[Acres; dashes indicate none]

County	Land needing reclamation						Land not requiring reclamation	Total land disturbed
	Reclamation not required by any law			Reclamation required by law				
	Coal mines	Sand and gravel	Other mined areas	Coal mines	Sand and gravel	Other mined areas		
Albany	20	150	350	---	200	250	30	1,000
Big Horn	10	105	6,250	---	40	1,000	300	7,705
Campbell	20	200	20	1,280	500	---	320	2,340
Carbon	640	30	330	1,600	15	1,300	30	3,945
Converse	1	5	3	60	15	200	500	784
Crook	---	55	200	---	40	300	400	995
Fremont	100	210	300	---	600	2,500	500	4,210
Goshen	---	2	---	---	50	---	5	57
Hot Springs	50	15	10	---	20	5	10	110
Johnson	10	90	1,050	---	2,515	1,100	300	5,065
Laramie	---	40	---	---	32	80	75	227
Lincoln	500	100	250	2,000	170	500	560	4,080
Natrona	---	10	10	---	3	7	---	30
Niobrara	---	10	---	---	2	---	---	12
Park	1	306	3	---	64	3	155	532
Platte	---	10	80	---	4	2	100	196
Sheridan	300	200	20	7,088	80	40	100	7,828
Sublette	---	50	---	---	--	---	50	100
Sweetwater	8,000	2,000	1,000	50,000	3,000	2,000	2,000	68,000
Teton	---	2	---	---	3	---	1	6
Uinta	5	3	---	---	2	---	5	15
Washakie	---	80	---	---	160	---	20	260
Weston	---	---	2,500	---	150	3,500	50	6,200
Total	9,657	3,673	12,376	62,028	7,665	12,787	5,511	113,697

1/Based on information from Soil Conservation Service state office

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